



**UTAH  
HOSPITAL  
DISCHARGE  
DATABASE**

**2007  
PUBLIC-USE DATA FILE**

**USER'S MANUAL**

**Version I  
November 2008**

**UTAH HEALTH DATA COMMITTEE  
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UTAH DEPARTMENT OF HEALTH**

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## INTRODUCTION

### Health Data Committee

The Health Data Committee, composed of 13 governor-appointed members, was created through the Utah Health Data Authority Act of 1991. The Committee is staffed by the Office of Health Care Statistics, which manages the Utah Hospital Discharge Database.

### Utah Hospital Discharge Database (UHDD)

Administrative Rule R428 became effective in December 1991, and mandates that all Utah licensed hospitals, both general acute care and specialty, shall report information on inpatient discharges, beginning on January 1, 1992. UHDD contains the consolidated information on complete billing, medical codes, and personal characteristics describing a patient, the services received, and charges billed for each inpatient hospital stay. Fifty five Utah hospitals submitted data in 2007, including four psychiatric facilities, seven specialty hospitals, and the Veterans Administration Medical Center. Shriners Hospital, a charity hospital, is exempt from reporting requirements. **Intermountain Medical Center, a new Level 1 trauma center, opened in October of 2007 replacing Cottonwood Hospital which closed at the same time so they both have only partial data for 2007. Many of the patients, staff from LDS hospital including Newborn Intensive Care, Trauma Services and Cardiac Catheter Lab were also moved into the new facility. Milford Valley Memorial Hospital and South Davis Community Hospital are not included in the 2007 data because of processing issues. Because of the dramatic change moving from DRG (V24) to MS-DRG (V25) which went into effect on 10/1/2007, we are including both fields as separate data elements ran across the entire year for 2007.**

### Public-Use Data Files (PDF)

UHDD Public-Use Data Files are designed to provide general health care information to a wide spectrum of users with minimal controls. A request for a PDF can be approved by the Director of the Office of Health Care Statistics without further review. **A current Public-Use Data File User Agreement needs to be signed by anyone seeking to purchase the data prior to the release of the PDF.**

Two different public data files are released for 2007 hospital discharge data (see pages 6 through 8 for data elements and file descriptions).

### Data Processing and Quality

Data submission: The Health Data Plan provides data element definitions to ensure all hospitals will report similar data. The Office of Health

Care Statistics receives discharge data quarterly from hospitals in various formats and media. The data are converted into a standardized format.

System Edits: The data are validated through a process of automated editing and report verification. Each record is subjected to a series of edits that check for accuracy, consistency, completeness, and conformity with the definitions specified in the Data Submittal Manual. Records failing the edit check are returned to the data supplier for correction or comment.

Hospital Reviews: Each hospital is provided with a 35 day review period to validate the Committee's data against their hospital records. Any inconsistencies discovered by the hospitals are reevaluated or corrected.

Missing Values: When dealing with unknown values, it is important to distinguish between systematic omission by hospital (e.g., for hospitals that were granted reporting exemption for particular data elements or which had coding problems that deemed the entire data from the hospital unusable), and non-systematic omission (e.g., coding problems, invalid codes, etc.). While systematic omission creates potential bias, non-systematic omission is assumed to occur randomly. The user is advised to examine missing values by hospital for each data element to be used.

### **Patient Confidentiality**

The Committee has taken considerable efforts to ensure that no individual patient could be identified from the PDF. Patient's age, physician's specialty, and payers are grouped. Several data elements are encrypted under specific conditions: (1) Utah zip and non-Utah zip codes with less than 30 discharges in a calendar year are coded at the county or state level respectively, (2) age, sex, and zip code are encrypted if the discharge involves Major Diagnosis Code (MDC) "25-Human Immunodeficiency Virus Infection" or Diagnosis Related Groups (DRG) "433, 521-523 - Alcohol/Drug Abuse or Dependence", and (3) physician specialty for 7 rural hospitals with less than 30 beds which are Bear River Valley Hospital, Central Valley Medical Center, Delta Community Medical Center, Fillmore Community Medical Center, Garfield Memorial Hospital, Gunnison Valley Hospital, and Sanpete Valley Hospital.

### **Agreement to Protect Patient Confidentiality:**

The data collected by the Health Data Committee may be used only for the purpose of health statistical reporting and analysis or specified in the user's written request for the data; any effort to determine the identity of any reported cases is prohibited. No one will attempt to link this data set with individually identifiable records from any other

data sets.

### **Uses of Hospital Data:**

The PDF includes data on charges and length of stay. Several factors, such as case-mix and severity complexity, payer-mix, market areas and hospital ownership, affiliation or teaching status, affect the comparability of charge and LOS across hospitals. Any analysis of charge or LOS at the hospital level should consider the above factors. The Health Data Committee calculates case-mix index and APR-DRG resource intensity index for each of the hospitals in the data base and utilizes the indices in analysis. Those indices, their methodology and a profile of Utah hospitals are appended at the end of the manual for users' reference (see Appendix A, B, and C).

### **Data Format:**

Standard format for the public data file is fixed ASCII format, on a CD-Rom. Alternate Dbase IV and Comma Separated formats for import into relational database are also supplied. Requests for other formats, such as a SAS dataset, will be considered.

### **Citation:**

Any statistical reporting or analysis based on the data shall cite the source as the following:

Utah Hospital Inpatient Discharge Data File (2007). Utah Health Data Committee/Office of Health Care Statistics, Utah Department of Health, Salt Lake City, Utah, 2008.

### **DRG, MS-DRG and APR-DRG Classification:**

The DRG, MS-DRG and APR-DRG fields in the data were generated using:

3M Core Grouping Software for Windows (Version 9.3.1). Wallingford CT, 3M Health Information Systems, October 2007.

Specifically, for the APR-DRG, and for the 2007 data, the Core Grouping Software executed the following module:

APR-DRG Grouper (Versions 24.0 & 25.0), Wallingford CT, 3M Health Information Systems, October 2006 & October 2007.

The DRG is the original HCFA defined DRG. For all of the 2007 data, the Core Grouping Software generated this using the following module:

CMS Grouper (Version 24.0), Wallingford CT, 3M Information Systems,  
October 2006.

The MS-DRG is the new HCFA defined DRG starting with V25.0. For all of the 2007 data, the Core Grouping Software generated this using the following modules:

CMS Grouper (Version 25.0), Wallingford CT, 3M Information Systems,  
October 2007.

**Redistribution:**

The user shall not redistribute the Utah Hospital Inpatient Discharge Data File in its original format. The user shall not redistribute any data products derived from the file without written permission from the Office of Health Care Statistics, Utah Department of Health.

# FILE LAYOUT



# **RECORD LAYOUT OF PUBLIC USE DATA FILE I (2007.1)**

	FIELD NAME	CLASS	WIDTH	POSITION		VALID VALUES	Pg No.
				From	To		
1	Provider Identifier (Hospital)	A	3	1	3	101-146, 201-209,301-310,801	11
2	Patient's age (in 5-yr. group)	N	3	4	6	0 - 21, 66,99	12
3	Patient's gender	A	1	7	7	M, F, U, E	13
4	Type of admission	A	1	8	8	1 - 5, 9	13
5	Source of admission						
	Non-newborns	A	1	9	9	0 - 9,A-D	13
	Newborns	A	1	10	10	0 - 4, 9	14
6	Length of stay	N	8	11	18	Days	15
7	Patient's discharge status	A	2	19	20	01-08, 20,40-43,50-51,61-66,71-72	15
8	Patient's postal zip code	A	5	21	25	84000-84799, -4444, -5555, -6666, -8888, -9999, AZ..WV	16
9	Patient's residential county	N	3	26	28	1 - 29, 44, 55, 77, 88, 99	18
10	Patient 's cross-county migrant status	A	1	29	29	Y, N, U	19
11	Patient's marital status	A	1	30	30	S, M, X, D, P, W, U	20
12	Patient's race and ethnicity	A	2	31	32	W, WH, NW, NH, UK	20
13	Principal diagnosis code	A	5	33	37	xxxxx	20
14	Secondary diagnosis code 1	A	5	38	42	xxxxx	20
15	Secondary diagnosis code 2	A	5	43	47	xxxxx	20
16	Secondary diagnosis code 3	A	5	48	52	xxxxx	20
17	Secondary diagnosis code 4	A	5	53	57	xxxxx	20
18	Principal procedure	A	4	58	61	xxxx	20
19	Secondary procedure 1	A	4	62	65	xxxx	20
20	Secondary procedure 2	A	4	66	69	xxxx	20
21	DRG	N	3	70	72	1 - 579	21
22	MDC	N	3	73	75	1-25, 0	36
23	Total charge	N	10	76	85	12345678.00	37
24	Facility charge	N	10	86	95	12345678.00	37
25	Professional charge	N	10	96	105	12345678.00	37
26	Admitting physician specialty	A	7	106	112	Specialty codes	37
27	Attending physician specialty	A	7	113	119	Specialty codes	41
28	Other consultant physician specialty	A	7	120	126	Specialty codes	41
29	Surgeon's specialty	A	7	127	133	Specialty codes	41
30	Primary payer category	A	2	134	135	1 - 10,13,99	41
31	Secondary payer category	A	2	136	137	1 - 10,13,99	41

A=Alphanumeric characters N=All numeric characters

## RECORD LAYOUT OF PUBLIC USE DATA FILE I (2007.1) con't

	FIELD NAME	CLASS	WIDTH	POSITION From To	VALID VALUES	Page No.
32	Tertiary payer category	A	2	138 - 139	1 - 10,13,99	41
33	Patient's relationship to 1st insured	N	3	140 - 142	1 - 20	42
34	Outlier, total charge	N	3	143 - 145	1,0	43
35	Outlier, length of stay	N	3	146 - 148	1,0	43
36	APR-DRG	N	3	149 - 151	1-956	44
37	Patient Severity Subclass Value	A	1	152 - 152	0-4	43
38	Discharge Quarter	A	1	153 - 153	1-4	44
39	Record ID number	N	8	154 - 161	12345678	43
40	Secondary Diagnosis Code 5	A	5	162 - 166	xxxxx	20
41	Secondary Diagnosis Code 6	A	5	167 - 171	xxxxx	20
42	Secondary Diagnosis Code 7	A	5	172 - 176	xxxxx	20
43	Secondary Diagnosis Code 8	A	5	177 - 181	xxxxx	20
44	Secondary Procedure Code 3	A	4	182 - 185	xxxx	20
45	Secondary Procedure Code 4	A	4	186 - 189	xxxx	20
46	Secondary Procedure Code 5	A	4	190 - 193	xxxx	20
47	E-Code	A	5	194 - 198	Exxxx	44
48	Patient Risk of Mortality Value	A	1	199 - 199	0-4	43
49	MS-DRG	N	3	200 - 202	1 - 999	63
50	MS-MDC	N	3	203 - 205	1-25, 0	80

A=Alphanumeric characters      N=All numeric characters

## RECORD LAYOUT OF PUBLIC USE DATA FILE III (2007.3)

	FIELD NAME	CLASS	WIDTH	POSITION		VALID VALUES	Page No.
				From	To		
1	Provider Identifier (Hospital)	A	3	1	- 3	101-145, 201-209,301-310,801	11
2	Patient's age (in 5-yr. group)	N	3	4	- 6	0 - 21, 66,99	12
3	Patient's gender	A	1	7	- 7	M, F, U, E	13
4	Length of stay	N	8	11	- 18	Days	15
5	Patient's discharge status	A	2	19	- 20	01-08, 20,40-43,50-51,61-66,71-72	15
6	Patient's residential county	N	3	26	- 28	1 - 29, 44, 55, 77, 88, 99	18
7	Principal diagnosis code	A	5	33	- 37	xxxxx	20
8	Principal procedure	A	4	58	- 61	xxxx	20
9	Secondary procedure 1	A	4	62	- 65	xxxx	20
10	Secondary procedure 2	A	4	66	- 69	xxxx	20
11	DRG	N	3	70	- 72	1 - 579	21
12	MDC	N	3	73	- 75	1-25, 0	36
13	Total charge	N	10	76	- 85	12345678.00	37
14	Facility charge	N	10	86	- 95	12345678.00	37
15	Professional charge	N	10	96	- 105	12345678.00	37
16	Primary payer category	A	2	134	- 135	1 - 10,13,99	41
17	Record ID number	N	8	154	- 161	12345678	43
18	MS-DRG	N	3	200	- 202	1 - 999	63
19	MS-MDC	N	3	203	- 205	1-25, 0	80

A=Alphanumeric characters      N=All numeric characters

# DESCRIPTION OF DATA ELEMENTS

**Provider Identifier:** (see Appendix C for hospital characteristics)

Hospital from which patient was discharged.

101 = BEAVER VALLEY HOSPITAL  
102 = MILFORD VALLEY MEMORIAL HOSPITAL - CAH (No data in 2007^)  
103 = BRIGHAM CITY COMMUNITY HOSPITAL  
104 = BEAR RIVER VALLEY HOSPITAL  
105 = LOGAN REGIONAL HOSPITAL  
106 = CASTLEVIEW HOSPITAL  
107 = LAKEVIEW HOSPITAL  
108 = DAVIS HOSPITAL & MEDICAL CENTER  
109 = Uintah Basin Medical Center  
110 = GARFIELD MEMORIAL HOSPITAL  
111 = ALLEN MEMORIAL HOSPITAL - CAH  
112 = VALLEY VIEW MEDICAL CENTER  
113 = CENTRAL VALLEY MEDICAL CENTER - CAH  
114 = KANE COUNTY HOSPITAL  
115 = FILLMORE COMMUNITY MEDICAL CENTER - CAH  
116 = DELTA COMMUNITY MEDICAL CENTER - CAH  
117 = JORDAN VALLEY HOSPITAL  
118 = ALTA VIEW HOSPITAL  
119 = COTTONWOOD HOSPITAL (Closed--Data through 3rd Qtr 2007)  
120 = SALT LAKE REGIONAL MEDICAL CENTER  
121 = LDS HOSPITAL  
122 = PRIMARY CHILDREN'S MEDICAL CENTER  
124 = ST. MARK'S HOSPITAL  
125 = UNIVERSITY HEALTH CARE (UHC)/UNIVERSITY OF UTAH HOSPITAL  
126 = PIONEER VALLEY HOSPITAL  
127 = MONUMENT VALLEY ADVENTIST HOSPITAL (Closed--data through 4th  
Qtr 1995)  
128 = SAN JUAN HOSPITAL - CAH  
129 = GUNNISON VALLEY HOSPITAL - CAH  
130 = SANPETE VALLEY HOSPITAL - CAH  
132 = SEVIER VALLEY MEDICAL CENTER  
133 = MOUNTAIN WEST MEDICAL CENTER  
134 = ASHLEY VALLEY MEDICAL CENTER  
135 = OREM COMMUNITY HOSPITAL  
136 = AMERICAN FORK HOSPITAL  
137 = MOUNTAIN VIEW HOSPITAL  
138 = UTAH VALLEY REGIONAL MEDICAL CENTER  
139 = HEBER VALLEY MEDICAL CENTER - CAH  
140 = DIXIE REGIONAL MEDICAL CENTER  
141 = MCKAY-DEE HOSPITAL CENTER  
142 = OGDEN REGIONAL MEDICAL CENTER  
143 = ROCKY MOUNTAIN HOSPITAL (Closed--Data through 2nd Qtr 2001)  
144 = TIMPANOGOS REGIONAL HOSPITAL

145 = CACHE VALLEY SPECIALTY HOSPITAL  
**146 = INTERMOUNTAIN MEDICAL CENTER**  
 201 = BENCHMARK BEHAVIORAL HEALTH SYSTEMS  
 202 = CHARTER SUMMIT HOSPITAL (Closed--data through 3rd Qtr 1993)  
 203 = SILVERADO SENIOR LIVING  
 204 = COPPER HILLS YOUTH CENTER (No longer licensed as a hospital--  
 data through 4th Qtr 2001)  
 205 = WASATCH CANYONS HOSPITAL (Closed--data through 3rd Qtr. 1995)  
 206 = UNIVERSITY OF UTAH NEUROPSYCHIATRIC INSTITUTE  
 207 = BENCHMARK SOUTH REGIONAL HOSPITAL (Closed--data through 4th Qtr  
 1998)  
 209 = UTAH STATE HOSPITAL (Now exempt from reporting--data through  
 4th Qtr 1995)  
 301 = SOUTH DAVIS COMMUNITY HOSPITAL (No data in 2007^)  
 302 = HIGHLAND RIDGE HOSPITAL  
 304 = BONNEVILLE HEALTH & REHABILITATION CENTER (Closed--data  
 through 4th Qtr 2000)  
 305 = SHRINERS HOSPITAL (No data--exempt from reporting)  
**306 = HEALTHSOUTH REHABILITATION HOSPITAL**  
 307 = THE ORTHOPEDIC SPECIALTY HOSPITAL  
 308 = PROMISE SPECIALTY HOSPITAL OF SALT LAKE  
 309 = UHC/UNIVERSITY OF UTAH ORTHOPEDIC CENTER  
 310 = UHC/UNIVERSITY OF UTAH HUNTSMAN CANCER INSTITUTE  
 801 = VETERANS ADMINISTRATION MEDICAL CENTER  
 803 = USAF HOSPITAL HILL/SGA (No data--exempt from reporting)

CAH = Critical Access Hospital

^See note on page 2.

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**Patient's Age (as of last birthday) at the Date of Discharge**

0 = 1-28 days  
 1 = 29-365 days  
 2 = 1 - 4  
 3 = 5 - 9  
 4 = 10 - 14  
 5 = 15 - 17  
 6 = 18 - 19  
 7 = 20 - 24  
 8 = 25 - 29  
 9 = 30 - 34  
 10 = 35 - 39  
 11 = 40 - 44  
 12 = 45 - 49  
 13 = 50 - 54  
 14 = 55 - 59  
 15 = 60 - 64  
 16 = 65 - 69  
 17 = 70 - 74  
 18 = 75 - 79

19 = 80 - 84  
20 = 85 - 89  
21 = 90 +  
66 = Encrypted (confidential data)  
99 = Unknown  
Blank = Not reported

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#### **Patient's Gender**

M = Male  
F = Female  
U = Unknown  
E = Encrypted (confidential data)  
Blank = Not reported

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#### **Type of Admission**

1 = Emergency  
2 = Urgent  
3 = Elective  
4 = Newborn  
5 = Trauma Center  
9 = Unknown  
Blank = Not reported

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#### **Source of Admission for Non-Newborns**

- 0 = Newborns
- 1 = Physician Referral  
The patient was admitted to this facility upon the recommendation of his or her personal physician.  
(See code 3 if the physician has an HMO affiliation.)
- 2 = Clinic Referral  
The patient was admitted to this facility upon recommendation of this facility's clinic physician.
- 3 = HMO referral  
The patient was admitted to this facility upon the recommendation of a health maintenance organization (HMO) physician.
- 4 = Transfer from a hospital  
The patient was admitted to this facility as a transfer from an acute care facility where he or she was an inpatient.
- 5 = Transfer from a skilled nursing facility  
The patient was admitted to this facility as a transfer from a skilled nursing facility where he or she was an inpatient.

- 6 = Transfer from another health care facility  
The patient was admitted to this facility as a transfer from a health care facility other than an acute care facility or skilled nursing facility.
- 7 = Emergency room  
The patient was admitted to this facility upon the recommendation of this facility's emergency room physician.
- 8 = Court/Law enforcement  
The patient was admitted to this facility upon the direction of a court of law, or upon the request of a law enforcement agency representative.
- 9 = Information not available  
The means by which the patient was admitted to this hospital is not known.
- A = Transfer from a critical access hospital
- B = Transfer from another HHA
- C = Readmission to same HHA
- D = Transfer from hospital inpatient in same facility
- E = Transfer from Ambulatory Surgery Center**
- F = Transfer from Hospice and is Under a Hospice Plan of Care or Enrolled in a Hospice Program**
- Blank = Not reported

FOR UTAH STATE HOSPITAL ONLY:

- 3 = Family Services Referral

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**Source of Admission for Newborns**

- 0 = Non newborns
- 1 = Normal delivery  
A baby delivered without complications.
- 2 = Premature delivery  
A baby delivered with time or weight factors qualifying it for premature status.
- 3 = Sick baby  
A baby delivered with medical complications, other than those relating to premature status.
- 4 = Extramural birth  
A baby born in a non-sterile environment.
- 5 = Born inside this hospital (starting Q4 07)**
- 6 = Born outside this hospital (starting Q4 07)**
- 9 = Information not available.
- Blank = Not reported
-



## Length of Stay

Total days stayed in hospital from the date of admission to the date of discharge.

Blank = Not reported

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## Patient's Discharge Status

- 01 = Discharged to home or self care, routine discharge
  - 02 = Discharged/transferred to another short-term general hospital
  - 03 = Discharged/transferred to skilled nursing facility
  - 04 = Discharged/transferred to an intermediate care facility
  - 05 = Discharged/transferred to another type of institution
  - 06 = Discharged/transferred to home under care of organized home health service organization
  - 07 = Left against medical advice
  - 08 = Discharged/transferred to home under care of a home IV provider
  - 09 = Unknown
  - 20 = Expired
  - 40 = Expired at home
  - 41 = Expired in a medical facility; i.e. hospital, skilled nursing facility, intermediate care facility, or free standing hospice
  - 42 = Expired - place unknown
  - 43 = Discharged/transferred to federal facility
  - 50 = Discharged/transferred to hospice - home
  - 51 = Discharged/transferred to hospice - medical facility
  - 61 = Discharged/transferred within institution to hospital based Medicare swing bed
  - 62 = Discharged/transferred to another rehab facility including distinct units in hospital
  - 63 = Discharged/transferred to a long term care hospital
  - 64 = Discharged/transferred to a nursing facility certified under medicaid but not certified under medicare
  - 65 = Discharged/transferred to a psychiatric hospital or psychiatric unit of a hospital
  - 66 = Discharged/transferred to a Critical Access Hospital
  - 71 = Discharged/transferred/referred to another institution for outpatient (as per plan of care)
  - 72 = Discharged/transferred to this institution for outpatient services(as per plan of care)
- Blank = Not reported

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## Patient's Residential Zip Code

84000-84799 = Zip codes in Utah

-4444=Homeless (word homeless or homeless code of ZZZZZ given as address)

-5555=Unknown Utah(Unknown/invalid zip code with Utah address)  
(Note: If the city is present in the address but the zip code is not, the zip code variable is coded as -5555 while the county variable is coded with the actual county identifier)

-6666=Encrypted (confidential data)

-8888=Unknown (completely missing address information)

-9999=Outside U.S.A. (foreign address)

If less than 30 discharges occurred for a Utah zip code area, this zip code was mapped into the county code:

Beave	=	Beaver
BoxEl	=	Box Elder
Cache	=	Cache
Carbo	=	Carbon
Dagge	=	Daggett
Davis	=	Davis
Duche	=	Duchesne
Emery	=	Emery
Garfi	=	Garfield
Iron	=	Iron
Milla	=	Millard
Morga	=	Morgan
Piute	=	Piute
Rich	=	Rich
SaltL	=	Salt Lake
SanJu	=	San Juan
Sanpe	=	Sanpete
Sevie	=	Sevier
Summi	=	Summit
Tooel	=	Tooele
Uinta	=	Uintah
Washi	=	Washington
Wayne	=	Wayne
Weber	=	Weber

A quick way to identify the city associated with a zip code is to use the United States Postal Service website:

[http://www.usps.gov/ncsc/lookups/lookup\\_ctystzip.html](http://www.usps.gov/ncsc/lookups/lookup_ctystzip.html)

If less than 30 discharges occurred for a non Utah zip code area, this zip code was mapped into the state code:

AL	=	ALABAMA
AK	=	ALASKA
AZ	=	ARIZONA
AR	=	ARKANSAS

CA = CALIFORNIA  
CO = COLORADO  
CT = CONNECTICUT  
DE = DELAWARE  
DC = DISTRICT OF COLUMBIA  
FL = FLORIDA  
GA = GEORGIA  
HI = HAWAII  
ID = IDAHO  
IL = ILLINOIS  
IN = INDIANA  
IA = IOWA  
KS = KANSAS  
KY = KENTUCKY  
LA = LOUISIANA  
ME = MAINE  
MD = MARYLAND  
MA = MASSACHUSETTS  
MI = MICHIGAN  
MN = MINNESOTA  
MS = MISSISSIPPI  
MO = MISSOURI  
MT = MONTANA  
NE = NEBRASKA  
NV = NEVADA  
NH = NEW HAMPSHIRE  
NJ = NEW JERSEY  
NM = NEW MEXICO  
NY = NEW YORK  
NC = NORTH CAROLINA  
ND = NORTH DAKOTA  
OH = OHIO  
OK = OKLAHOMA  
OR = OREGON  
PA = PENNSYLVANIA  
RI = RHODE ISLAND  
SC = SOUTH CAROLINA  
SD = SOUTH DAKOTA  
TN = TENNESSEE  
TX = TEXAS  
UT = UTAH  
VT = VERMONT  
VA = VIRGINIA  
WA = WASHINGTON  
WV = WEST VIRGINIA  
WI = WISCONSIN  
WY = WYOMING  
PR = PUERTO RICO  
GU = GUAM

## **Patient's Residential County**

- 1= Box Elder
- 2= Cache
- 3= Rich
- 4= Morgan
- 5= Weber
- 6= Davis
- 7= Salt Lake
- 8= Summit
- 9= Tooele
- 10= Utah
- 11= Wasatch
- 12= Daggett
- 13= Duchesne
- 14= Uintah
- 15= Juab
- 16= Millard
- 18= Sanpete
- 17= Piute
- 19= Sevier
- 20= Wayne
- 21= Carbon
- 22= Emery
- 23= Grand
- 24= San Juan
- 25= Beaver
- 26= Garfield
- 27= Iron
- 28= Kane
- 29= Washington
- 30= Multi-County (used in earlier versions of dataset, the category has been eliminated)
- 44= Homeless (word 'homeless' or homeless code of ZZZZZ given as address)
- 55= Unknown Utah (unknown city & zip but 'Utah' in address)
- 77= Outside Utah (but in U.S.A.)
- 88= Unknown (completely missing address information)
- 99= Outside U.S.A. (foreign address)

## Suggested Division of Local Areas:

Definition	County Code (see above)
1. Urban vs. Rural	
Urban Areas	5,6,7,10
Rural Areas	1-4, 8-9, 11-29
Excluding	30,44,55,77,88,99
2. Wasatch Front Area	
Yes	5,6,7,10
No	1-4, 8-9, 11-29
Excluding	30,44,55,77,88,99
3. Local Health Districts	
Bear River	1-3
Weber-Morgan	4-5
Davis County	6
Salt Lake County	7
Summit County	8
Tooele County	9
Utah County	10
Wasatch County	11
Uintah Basin	12-14
Central Utah	15-20
Southeastern Utah	21-24
Southwest Utah	25-29

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**Patient's Cross-County Migrant Status** (hospital in different county than patient residence)

Y = Yes (includes out-of-state, foreign, out-of-county, homeless)

N = No (from same county)

U = Unknown (includes unknown and unknown but Utah residence)

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## **Patient's Marital Status**

S = Single  
M = Married  
X = Legally Separated  
D = Divorced  
W = Widowed  
P = Life Partner  
U = Unknown  
Blank = Not reported

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## **Patient's Race and Ethnicity**

W = White, non Hispanic origin  
WH = White, Hispanic origin  
NW = Non-white, Hispanic origin  
NH = Non-white, non Hispanic origin  
UK = Unknown  
Blank = Not reported

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## **Principal Diagnosis Code**

ICD-9-CM code. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.

There is an "implied" decimal point between the 3rd and 4th digit (decimal point is part of ICD-9-CM code but has been stripped out of data).

Blank = Not reported

The ICD-9-CM diagnosis codes can be looked up on the internet at Yaki Technologies' website "[www.eicd.com/eicdmain.htm](http://www.eicd.com/eicdmain.htm)".

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## **Secondary Diagnosis Code 1 through Secondary Diagnosis Code 8**

Definition and category are the same as Principal Diagnosis Code

V-codes and secondary E-codes are also placed in these Secondary Diagnosis Code fields (both can be looked up at "[www.eicd.com/eicdmain.htm](http://www.eicd.com/eicdmain.htm)").

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## **Principal Procedure Code**

ICD-9-CM code. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.

There is an "implied" decimal point between the 2nd and 3rd digit (decimal point is part of ICD-9-CM code but has been stripped out of data).

Blank = Not reported

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## **Secondary Procedure Code 1 through Secondary Procedure Code 5**

Definition and category are the same as Principal Procedure Code

**Diagnosis Related Group (DRG) Version 24 (data through 3<sup>rd</sup> quarter 2007)**

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1\* CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA (prior to 10-1-02)  
1\* CRANIOTOMY AGE >17 WITH COMPLICATIONS, COMORBIDITIES (beginning 10-1-02)  
2\* CRANIOTOMY FOR TRAUMA AGE >17 (prior to 10-1-02)  
2\* CRANIOTOMY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES (beginning 10-1-02)  
3 CRANIOTOMY AGE 0-17  
4\* SPINAL PROCEDURES (prior to 10-1-03; no DRG 4 beginning 10-1-03 when DRGs 531-532 were added)  
5\* EXTRACRANIAL VASCULAR PROCEDURES (prior to 10-1-03; no DRG 5 beginning 10-1-03 when DRGs 533-534 were added)  
6 CARPAL TUNNEL RELEASE  
7 PERIPHERAL & CRANIAL NERVE & OTHER NERVE SYSTEM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
8 PERIPHERAL & CRANIAL NERVE & OTHER NERVE SYSTEM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
9 SPINAL DISORDERS & INJURIES  
10 NERVOUS SYSTEM NEOPLASMS WITH COMPLICATIONS, COMORBIDITIES  
11 NERVOUS SYSTEM NEOPLASMS WITHOUT COMPLICATIONS, COMORBIDITIES  
12 DEGENERATIVE NERVOUS SYSTEM DISORDERS  
13 MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA  
14\* SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TRANSIENT ISCHEMIC ATTACK (prior to 10-1-02)  
14\* INTRA CRANIAL HEMORRHAGE AND STROKE WITH INFARCTION (beginning 10-1-02, used to 10-1-04)  
14\* INTRACRANIAL HEMORRHAGE & STROKE W/ INFARCTION (beginning 10-1-03)  
14\* INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION (beginning 10-1-04)  
15\* TRANSIENT ISCHEMIC ATTACK & PRECEREBRAL OCCLUSIONS (prior to 10-1-02)  
15\* NONSPECIFIC CEREBROVASCULAR AND PRECEREBRAL OCCLUSION WITHOUT INFARCTION (beginning 10-1-02)  
16 NONSPECIFIC CEREBROVASCULAR DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
17 NONSPECIFIC CEREBROVASCULAR DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES  
18 CRANIAL & PERIPHERAL NERVE DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
19 CRANIAL & PERIPHERAL NERVE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES  
20\* NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS (prior to 10-1-06)  
21 VIRAL MENINGITIS  
22 HYPERTENSIVE ENCEPHALOPATHY  
23 NONTRAUMATIC STUPOR & COMA  
24\* SEIZURE & HEADACHE AGE >17 WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-06)  
25\* SEIZURE & HEADACHE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES (prior to 10-1-06)  
26 SEIZURE & HEADACHE AGE 0-17  
27 TRAUMATIC STUPOR & COMA, COMA >1 HR  
28 TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
29 TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
30 TRAUMATIC STUPOR & COMA, COMA <1 HR AGE 0-17  
31 CONCUSSION AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
32 CONCUSSION AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
33 CONCUSSION AGE 0-17  
34 OTHER DISORDERS OF NERVOUS SYSTEM WITH COMPLICATIONS, COMORBIDITIES  
35 OTHER DISORDERS OF NERVOUS SYSTEM WITHOUT COMPLICATION, COMORBIDITIES  
36 RETINAL PROCEDURES

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37 ORBITAL PROCEDURES  
38 PRIMARY IRIS PROCEDURES  
39 LENS PROCEDURES WITH OR WITHOUT VITRECTOMY  
40 EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17  
41 EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17  
42 INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS  
43 HYPHEMA  
44 ACUTE MAJOR EYE INFECTIONS  
45 NEUROLOGICAL EYE DISORDERS  
46 OTHER DISORDERS OF THE EYE AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
47 OTHER DISORDERS OF THE EYE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
48 OTHER DISORDERS OF THE EYE AGE 0-17  
49 MAJOR HEAD & NECK PROCEDURES  
50 SIALOADENECTOMY  
51 SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY  
52 CLEFT LIP & PALATE REPAIR  
53 SINUS & MASTOID PROCEDURES AGE >17  
54 SINUS & MASTOID PROCEDURES AGE 0-17  
55 MISCELLANEOUS EAR, NOSE, MOUTH & THROAT PROCEDURES  
56 RHINOPLASTY  
57 TONSIL & ADENOID PROCEDURES, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY,  
AGE >17  
58 TONSIL & ADENOID PROCEDURES, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY,  
AGE 0-17  
59 TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17  
60 TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE 0-17  
61 MYRINGOTOMY WITH TUBE INSERTION AGE >17  
62 MYRINGOTOMY WITH TUBE INSERTION AGE 0-17  
63 OTHER EAR, NOSE, MOUTH & THROAT OPERATING ROOM PROCEDURES  
64 EAR, NOSE, MOUTH & THROAT MALIGNANCY  
65 DISEQUILIBRIUM  
66 EPISTAXIS  
67 EPIGLOTTITIS  
68 OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
69 OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE > 17 WITHOUT  
COMPLICATIONS, COMORBIDITIES  
70 OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE 0-17  
71 LARYNGOTRACHEITIS  
72 NASAL TRAUMA & DEFORMITY  
73 OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17  
74 OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17  
75 MAJOR CHEST PROCEDURES  
76 OTHER RESPIRATORY SYSTEM OPERATING ROOM PROCEDURES WITH COMPLICATIONS,  
COMORBIDITIES  
77 OTHER RESPIRATORY SYSTEM OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS,  
COMORBIDITIES  
78 PULMONARY EMBOLISM  
79 RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
80 RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
81 RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17



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82 RESPIRATORY NEOPLASMS  
83 MAJOR CHEST TRAUMA WITH COMPLICATIONS, COMORBIDITIES  
84 MAJOR CHEST TRAUMA WITHOUT COMPLICATIONS, COMORBIDITIES  
85 PLEURAL EFFUSION WITH COMPLICATIONS, COMORBIDITIES  
86 PLEURAL EFFUSION WITHOUT COMPLICATIONS, COMORBIDITIES  
87 PULMONARY EDEMA & RESPIRATORY FAILURE  
88 CHRONIC OBSTRUCTIVE PULMONARY DISEASE  
89 SIMPLE PNEUMONIA & PLEURISY AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
90 SIMPLE PNEUMONIA & PLEURISY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
91 SIMPLE PNEUMONIA & PLEURISY AGE 0-17  
92 INTERSTITIAL LUNG DISEASE WITH COMPLICATIONS, COMORBIDITIES  
93 INTERSTITIAL LUNG DISEASE WITHOUT COMPLICATIONS, COMORBIDITIES  
94 PNEUMOTHORAX WITH COMPLICATIONS, COMORBIDITIES  
95 PNEUMOTHORAX WITHOUT COMPLICATIONS, COMORBIDITIES  
96 BRONCHITIS & ASTHMA AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
97 BRONCHITIS & ASTHMA AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
98 BRONCHITIS & ASTHMA AGE 0-17  
99 RESPIRATORY SIGNS & SYMPTOMS WITH COMPLICATIONS, COMORBIDITIES  
100 RESPIRATORY SIGNS & SYMPTOMS WITHOUT COMPLICATIONS, COMORBIDITIES  
101 OTHER RESPIRATORY SYSTEM DIAGNOSES WITH COMPLICATIONS, COMORBIDITIES  
102 OTHER RESPIRATORY SYSTEM DIAGNOSES WITHOUT COMPLICATIONS, COMORBIDITIES  
103\* HEART TRANSPLANT (prior to 10-1-04)  
103\* HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM (beginning 10-1-04)  
104\* CARDIAC VALVE PROCEDURES WITH CARDIAC CATHETER (prior to 10-1-98)  
104\* CARDIAC VALVE & OTHER MAJOR CARDIOTHORACIC PROCEDURES WITH CARDIAC CATHETER  
(beginning 10-1-98)  
105\* CARDIAC VALVE PROCEDURES WITHOUT CARDIAC CATHETER (prior to 10-1-98)  
105\* CARDIAC VALVE & OTHER MAJOR CARDIOTHORACIC PROC WITHOUT CARDIAC CATHETER  
(beginning 10-1-98)  
106\* CORONARY BYPASS WITH CARDIAC CATHETER (prior to 10-1-98)  
106\* CORONARY BYPASS WITH PTCA (beginning 10-1-98)  
107\* CORONARY BYPASS WITHOUT CARDIAC CATHETER (prior to 10-1-98)  
107\* CORONARY BYPASS WITH CARDIAC CATHETER (beginning 10-1-98; no DRG 107  
beginning 10-1-05 when DRGs 547-548 were added)  
108 OTHER CARDIOTHORACIC PROCEDURES  
109\* CORONARY BYPASS WITHOUT CARDIAC CATHETER (beginning 10-1-98; no DRG 109  
beginning 10-1-05 when DRGs 549-550 were added)  
110 MAJOR CARDIOVASCULAR PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
111 MAJOR CARDIOVASCULAR PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
112\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES (prior to 10-1-01; no DRG 112  
beginning 10-1-01 when DRGs 516-518 were added)  
113 AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE  
114 UPPER LIMB & TOE AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS  
115\* PERMANENT CARDIAC PACEMAKER IMPLANT WITH ACUTE MYOCARDIAL INFARCTION, HEART  
FAILURE OR SHOCK (prior to 10-1-97)  
115\* PERMANENT CARDIAC PACEMAKER IMPLANT WITH ACUTE MYOCARDIAL INFARCTION, HEART  
FAILURE OR SHOCK, OR AICD LEAD OR GENERATOR PROC (beginning 10-1-97; no  
DRG 115 beginning 10-1-05 when DRG 551 was added)  
116\* OTHER PERMANENT CARDIAC PACEMAKER IMPLANT OR AICD LEAD OR GENERATOR PROC  
(prior to 10-1-97)  
116\* OTHER PERMANENT CARDIAC PACEMAKER IMPLANT OR PTCA WITH CORONARY ARTERY  
STENT IMPLANT (between 10-1-97 and 10-1-01)  
116\* OTHER CARDIAC PACEMAKER IMPLANTATION (beginning 10-1-01; no DRG 116

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beginning 10-1-05 when DRG 552 was added)

117 CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT

118 CARDIAC PACEMAKER DEVICE REPLACEMENT

119 VEIN LIGATION & STRIPPING

120 OTHER CIRCULATORY SYSTEM OPERATING ROOM PROCEDURES

121\* CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION & CARDIOVASCULAR  
COMPLICATIONS, DISCHARGED ALIVE (prior to 10-1-97)

121\* CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION & MAJOR  
COMPLICATION, DISCHARGED ALIVE (beginning 10-1-97)

122\* CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION WITHOUT  
CARDIOVASCULAR COMPLICATION, DISCHARGED ALIVE (prior to 10-1-97)

122\* CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION WITHOUT MAJOR  
COMPLICATION, DISCHARGED ALIVE (beginning 10-1-97)

123 CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION, EXPIRED

124 CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION, WITH CARDIAC  
CATHETER & COMPLEX DIAGNOSES

125 CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION, WITH CARDIAC  
CATHETER WITHOUT COMPLEX DIAGNOSES

126 ACUTE & SUBACUTE ENDOCARDITIS

127 HEART FAILURE & SHOCK

128 DEEP VEIN THROMBOPHLEBITIS

129 CARDIAC ARREST, UNEXPLAINED

130 PERIPHERAL, VASCULAR DISORDERS WITH COMPLICATIONS, COMORBIDITIES

131 PERIPHERAL VASCULAR DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

132 ATHEROSCLEROSIS WITH COMPLICATIONS, COMORBIDITIES

133 ATHEROSCLEROSIS WITHOUT COMPLICATIONS, COMORBIDITIES

134 HYPERTENSION

135 CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES

136 CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES

137 CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17

138 CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS WITH COMPLICATIONS, COMORBIDITIES

139 CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS WITHOUT COMPLICATIONS,  
COMORBIDITIES

140 ANGINA PECTORIS

141 SYNCOPE & COLLAPSE WITH COMPLICATIONS, COMORBIDITIES

142 SYNCOPE & COLLAPSE WITHOUT COMPLICATIONS, COMORBIDITIES

143 CHEST PAIN

144 OTHER CIRCULATORY SYSTEM DIAGNOSES WITH COMPLICATIONS, COMORBIDITIES

145 OTHER CIRCULATORY SYSTEM DIAGNOSES WITHOUT COMPLICATIONS, COMORBIDITIES

146 RECTAL RESECTION WITH COMPLICATIONS, COMORBIDITIES

147 RECTAL RESECTION WITHOUT COMPLICATIONS, COMORBIDITIES

148\* MAJOR SMALL & LARGE BOWEL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
(prior to 10-1-06)

149 MAJOR SMALL & LARGE BOWEL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

150 PERITONEAL ADHESIOLYSIS WITH COMPLICATIONS, COMORBIDITIES

151 PERITONEAL ADHESIOLYSIS WITHOUT COMPLICATIONS, COMORBIDITIES

152 MINOR SMALL & LARGE BOWEL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

153 MINOR SMALL & LARGE BOWEL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

154\* STOMACH, ESOPHAGEAL, & DUODENAL PROCEDURES AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES (prior to 10-1-06)

155 STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 WITHOUT COMPLICATIONS,

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COMORBIDITIES

156 STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17

157 ANAL & STOMAL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

158 ANAL & STOMAL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

159 HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES

160 HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES

161 INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES

162 INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES

163 HERNIA PROCEDURES AGE 0-17

164 APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITH COMPLICATIONS,  
COMORBIDITIES

165 APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT COMPLICATIONS,  
COMORBIDITIES

166 APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITH COMPLICATIONS,  
COMORBIDITIES

167 APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT COMPLICATIONS,  
COMORBIDITIES

168 MOUTH PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

169 MOUTH PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

170 OTHER DIGESTIVE SYSTEM OPERATING ROOM PROCEDURES WITH COMPLICATIONS,  
COMORBIDITIES

171 OTHER DIGESTIVE SYSTEM OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS,  
COMORBIDITIES

172 DIGESTIVE MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES

173 DIGESTIVE MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES

174 GASTROINTESTINAL HEMORRHAGE WITH COMPLICATIONS, COMORBIDITIES

175 GASTROINTESTINAL HEMORRHAGE WITHOUT COMPLICATIONS, COMORBIDITIES

176 COMPLICATED PEPTIC ULCER

177 UNCOMPLICATED PEPTIC ULCER WITH COMPLICATIONS, COMORBIDITIES

178 UNCOMPLICATED PEPTIC ULCER WITHOUT COMPLICATIONS, COMORBIDITIES

179 INFLAMMATORY BOWEL DISEASE

180 GASTROINTESTINAL OBSTRUCTION WITH COMPLICATIONS, COMORBIDITIES

181 GASTROINTESTINAL OBSTRUCTION WITHOUT COMPLICATIONS, COMORBIDITIES

182 ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE >17  
WITH COMPLICATIONS, COMORBIDITIES

183 ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE >17  
WITHOUT COMPLICATIONS, COMORBIDITIES

184 ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE 0-17

185 DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS AGE >17

186 DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE 0-17

187 DENTAL EXTRACTIONS & RESTORATIONS

188 OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 WITH COMPLICATIONS, COMORBIDITIES

189 OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES

190 OTHER DIGESTIVE SYSTEM DIAGNOSES AGE 0-17

191 PANCREAS, LIVER & SHUNT PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

192 PANCREAS, LIVER & SHUNT PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

193 BILIARY TACT PROCEDURES EXCEPT ONLY TOTAL CHOLECYST WITH OR WITHOUT COMMON  
DUCT EXPLORATION WITH COMPLICATIONS, COMORBIDITIES

194 BILIARY TRACT PROCEDURES EXCEPT ONLY TOTAL CHOLECYST WITH OR WITHOUT COMMON

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DUCT EXPLORATION WITHOUT COMPLICATIONS, COMORBIDITIES  
195 CHOLECYSTECTOMY WITH COMMON DUCT EXPLORATION WITH COMPLICATIONS,  
COMORBIDITIES  
196 CHOLECYSTECTOMY WITH COMMON DUCT EXPLORATION WITHOUT COMPLICATIONS,  
COMORBIDITIES  
197 CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE WITHOUT COMMON DUCT EXPLORATION WITH  
COMPLICATIONS, COMORBIDITIES  
198 CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE WITHOUT COMMON DUCT EXPLORATION  
WITHOUT COMPLICATIONS, COMORBIDITIES  
199 HEPATOBILIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY  
200 HEPATOBILIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY  
201 OTHER HEPATOBILIARY OR PANCREAS OPERATING ROOM PROCEDURES  
202 CIRRHOSIS & ALCOHOLIC HEPATITIS  
203 MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS  
204 DISORDERS OF PANCREAS EXCEPT MALIGNANCY  
205 DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS, ALCOHOLIC HEPATITIS WITH  
COMPLICATIONS, COMORBIDITIES  
206 DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS, ALCOHOLIC HEPATITIS  
WITHOUT COMPLICATIONS, COMORBIDITIES  
207 DISORDERS OF THE BILIARY TRACT WITH COMPLICATIONS, COMORBIDITIES  
208 DISORDERS OF THE BILIARY TRACT WITHOUT COMPLICATIONS, COMORBIDITIES  
209\* MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF LOWER EXTREMITY (no DRG 209  
beginning 10-1-05 when DRGs 544-545 were added)  
210 HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
211 HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
212 HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE 0-17  
213 AMPUTATION FOR MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DISORDERS  
214\* BACK & NECK PROCEDURES WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-97;  
no DRG 214 beginning 10-1-97 when DRGs 497-500 were added)  
215\* BACK & NECK PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES (prior to  
10-1-07; no DRG 215 beginning 10-1-97 when DRGs 497-500 were added)  
216 BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE  
217 WOUND DEBRIDEMENT & SKIN GRAFT EXCEPT HAND, FOR MUSCULOSKELETAL &  
CONNECTIVE TISSUE DISORDERS AGE>17 WITH COMPLICATIONS, COMORBIDITIES  
218 LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE>17  
COMPLICATIONS, COMORBIDITIES  
219 LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE>17  
WITHOUT COMPLICATIONS, COMORBIDITIES  
220 LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE 0-17  
221\* KNEE PROCEDURES WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-97; no  
DRG 221 beginning 10-1-97 when DRGs 501-503 were added)  
222\* KNEE PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES (prior to 10-1-97; no  
DRG 222 beginning 10-1-97 when DRGs 501-503 were added)  
223 MAJOR SHOULDER/ELBOW PROCEDURE, OR OTHER UPPER EXTREMITY PROCEDURES WITH  
COMPLICATIONS, COMORBIDITIES  
224 SHOULDER, ELBOW OR FOREARM PROCEDURE, EXCEPT MAJOR JOINT PROCEDURES WITHOUT  
COMPLICATIONS, COMORBIDITIES  
225 FOOT PROCEDURES  
226 SOFT TISSUE PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
227 SOFT TISSUE PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
228 MAJOR THUMB OR JOINT PROCEDURE, OR OTHER HAND OR WRIST PROCEDURE WITH  
COMPLICATIONS, COMORBIDITIES

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229 HAND OR WRIST PROCEDURE, EXCEPT MAJOR JOINT PROCEDURE, WITHOUT  
COMPLICATIONS, COMORBIDITIES

230 LOCAL EXCISION & REMOVAL OF INTERNAL FIXATION DEVICES OF HIP & FEMUR

231\* LOCAL EXCISION & REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP & FEMUR  
(prior to 10-1-03; no DRG 231 beginning 10-1-03 and DRGs 537-538 were  
added)

232 ARTHROSCOPY

233 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE OPERATING ROOM PROCEDURES  
WITH COMPLICATIONS, COMORBIDITIES

234 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE OPERATING ROOM PROCEDURES  
WITHOUT COMPLICATIONS, COMORBIDITIES

235 FRACTURES OF FEMUR

236 FRACTURES OF HIP & PELVIS

237 SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH

238 OSTEOMYELITIS

239 PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONNECTIVE TISSUE MALIGNANCY

240 CONNECTIVE TISSUE DISORDERS WITH COMPLICATIONS, COMORBIDITIES

241 CONNECTIVE TISSUE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

242 SEPTIC ARTHRITIS

243 MEDICAL BACK PROBLEMS

244 BONE DISEASES & SPECIFIC ARTHROPATHIES WITH COMPLICATIONS, COMORBIDITIES

245 BONE DISEASES & SPECIFIC ARTHROPATHIES WITHOUT COMPLICATIONS, COMORBIDITIES

246 NON-SPECIFIC ARTHROPATHIES

247 SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE

248 TENDINITIS, MYOSITIS & BURSITIS

249 AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE

250 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF FOREARM, HAND, FOOT AGE >17 WITH  
COMPLICATIONS, COMORBIDITIES

251 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF FOREARM, HAND, FOOT AGE >17  
WITHOUT COMPLICATIONS, COMORBIDITIES

252 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF FOREARM, HAND, FOOT AGE 0-17

253 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF UPPER ARM, LOWER LEG EXCEPT FOOT  
AGE >17 WITH COMPLICATIONS, COMORBIDITIES

254 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF UPPER ARM, LOWER LEG, EXCEPT FOOT  
AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES

255 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF UPPER ARM, LOWER LEG EXCEPT FOOT  
AGE 0-17

256 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSIS

257 TOTAL MASTECTOMY FOR MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES

258 TOTAL MASTECTOMY FOR MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES

259 SUBTOTAL MASTECTOMY FOR MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES

260 SUBTOTAL MASTECTOMY FOR MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES

261 BREAST PROCEDURE FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION

262 BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY

263 SKIN GRAFT &/OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS WITH  
COMPLICATIONS, COMORBIDITIES

264 SKIN GRAFT &/OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS WITHOUT  
COMPLICATIONS, COMORBIDITIES

265 SKIN GRAFT &/OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS WITH  
COMPLICATIONS, COMORBIDITIES

266 SKIN GRAFT &/OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS WITHOUT  
COMPLICATIONS, COMORBIDITIES

267 PERIANAL & PILONIDAL PROCEDURES

268 SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES

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269 OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST PROCEDURES WITH COMPLICATIONS,  
COMORBIDITIES

270 OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST PROCEDURES WITHOUT COMPLICATIONS,  
COMORBIDITIES

271 SKIN ULCERS

272 MAJOR SKIN DISORDERS WITH COMPLICATIONS, COMORBIDITIES

273 MAJOR SKIN DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

274 MALIGNANT BREAST DISORDERS WITH COMPLICATIONS, COMORBIDITIES

275 MALIGNANT BREAST DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

276 NON-MALIGNANT BREAST DISORDERS

277 CELLULITIS AGE >17 WITH COMPLICATIONS, COMORBIDITIES

278 CELLULITIS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES

279 CELLULITIS AGE 0-17

280 TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE >17 WITH  
COMPLICATIONS, COMORBIDITIES

281 TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE >17 WITHOUT  
COMPLICATIONS, COMORBIDITIES

282 TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE 0-17

283 MINOR SKIN DISORDERS WITH COMPLICATIONS, COMORBIDITIES

284 MINOR SKIN DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

285 AMPUTATION OF LOWER LIMB FOR ENDOCRINE, NUTRITION & METABOLIC DISORDERS

286 ADRENAL & PITUITARY PROCEDURES

287 SKIN GRAFTS & WOUND DEBRIDEMENT FOR ENDOCRINE, NUTRITION & METABOLIC  
DISORDERS

288 OPERATING ROOM PROCEDURES FOR OBESITY

289 PARATHYROID PROCEDURES

290 THYROID PROCEDURES

291 THYROIDECTOMY PROCEDURES

292 OTHER ENDOCRINE, NUTRITION & METABOLIC OPERATING ROOM PROCEDURES WITH  
COMPLICATIONS, COMORBIDITIES

293 OTHER ENDOCRINE, NUTRITION & METABOLIC OPERATING ROOM PROCEDURES WITHOUT  
COMPLICATIONS, COMORBIDITIES

294 DIABETES AGE >35

295 DIABETES AGE 0-35

296 NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES

297 NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE >17 WITHOUT  
COMPLICATIONS, COMORBIDITIES

298 NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE 0-17

299 INBORN ERRORS OF METABOLISM

300 ENDOCRINE DISORDERS WITH COMPLICATIONS, COMORBIDITIES

301 ENDOCRINE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

302 KIDNEY TRANSPLANT

303 KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NEOPLASM

304 KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NON-NEOPLASM WITH  
COMPLICATIONS, COMORBIDITIES

305 KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NON-NEOPLASM  
WITHOUT COMPLICATIONS, COMORBIDITIES

306 PROSTATECTOMY WITH COMPLICATIONS, COMORBIDITIES

307 PROSTATECTOMY WITHOUT COMPLICATIONS, COMORBIDITIES

308 MINOR BLADDER PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

309 MINOR BLADDER PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

310 TRANSURETHRAL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

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311 TRANSURETHRAL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
312 URETHRAL PROCEDURES, AGE > 17 WITH COMPLICATIONS, COMORBIDITIES  
313 URETHRAL PROCEDURES, AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
314 URETHRAL PROCEDURES, AGE 0-17  
315 OTHER KIDNEY & URINARY TRACT OPERATING ROOM PROCEDURES  
316 RENAL FAILURE  
317 ADMIT FOR RENAL DIALYSIS  
318 KIDNEY & URINARY TRACT NEOPLASMS WITH COMPLICATIONS, COMORBIDITIES  
319 KIDNEY & URINARY TRACT NEOPLASMS WITHOUT COMPLICATIONS, COMORBIDITIES  
320 KIDNEY & URINARY TRACT INFECTIONS AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
321 KIDNEY & URINARY TRACT INFECTIONS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
322 KIDNEY & URINARY TRACT INFECTIONS AGE 0-17  
323 URINARY STONES WITH COMPLICATIONS, COMORBIDITIES, &/OR EXTRACORPOREAL SHOCK  
WAVE LITHOTRIPSY  
324 URINARY STONES WITHOUT COMPLICATIONS, COMORBIDITIES  
325 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
326 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
327 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17  
328 URETHRAL STRICTURE AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
329 URETHRAL STRICTURE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
330 URETHRAL STRICTURE AGE 0-17  
331 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
332 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
333 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17  
334 MAJOR MALE PELVIC PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
335 MAJOR MALE PELVIC PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
336 TRANSURETHRAL PROSTATECTOMY WITH COMPLICATIONS, COMORBIDITIES  
337 TRANSURETHRAL PROSTATECTOMY WITHOUT COMPLICATIONS, COMORBIDITIES  
338 TESTES PROCEDURES, FOR MALIGNANCY  
339 TESTES PROCEDURES, NON-MALIGNANCY AGE >17  
340 TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17  
341 PENIS PROCEDURES  
342 CIRCUMCISION AGE >17  
343 CIRCUMCISION AGE 0-17  
344 OTHER MALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES FOR MALIGNANCY  
345 OTHER MALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES EXCEPT FOR  
MALIGNANCY  
346 MALIGNANCY, MALE REPRODUCTIVE SYSTEM, WITH COMPLICATIONS, COMORBIDITIES  
347 MALIGNANCY, MALE REPRODUCTIVE SYSTEM, WITHOUT COMPLICATIONS, COMORBIDITIES  
348 BENIGN PROSTATIC HYPERTROPHY WITH COMPLICATIONS, COMORBIDITIES  
349 BENIGN PROSTATIC HYPERTROPHY WITHOUT COMPLICATIONS, COMORBIDITIES  
350 INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM  
351 STERILIZATION, MALE  
352 OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES  
353 PELVIC EVISCERATION, RADICAL HYSTERECTOMY & RADICAL VULVECTOMY  
354 UTERINE, ADNEXA PROCEDURES FOR NON-OVARIAN/ADNEXAL MALIGNANCY  
WITH COMPLICATIONS, COMORBIDITIES  
355 UTERINE, ADNEXA PROCEDURES FOR NON-OVARIAN/ADNEXAL MALIGNANCY  
WITHOUT COMPLICATIONS, COMORBIDITIES

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356 FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES  
357 UTERINE & ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY  
358 UTERINE & ADNEXA PROCEDURE FOR NON-MALIGNANCY WITH COMPLICATIONS,  
COMORBIDITIES  
359 UTERINE & ADNEXA PROCEDURE FOR NON-MALIGNANCY WITHOUT COMPLICATIONS,  
COMORBIDITIES  
360 VAGINA, CERVIX & VULVA PROCEDURES  
361 LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION  
362 ENDOSCOPIC TUBAL INTERRUPTION  
363 DILATION & CURETTAGE, CONIZATION & RADIO-IMPLANT, FOR MALIGNANCY  
364 DILATION & CURETTAGE, CONIZATION EXCEPT FOR MALIGNANCY  
365 OTHER FEMALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES  
366 MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM WITH COMPLICATIONS, COMORBIDITIES  
367 MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM WITHOUT COMPLICATIONS, COMORBIDITIES  
368 INFECTIONS, FEMALE REPRODUCTIVE SYSTEM  
369 MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS  
370 CESAREAN SECTION WITH COMPLICATIONS, COMORBIDITIES  
371 CESAREAN SECTION WITHOUT COMPLICATIONS, COMORBIDITIES  
372 VAGINAL DELIVERY WITH COMPLICATING DIAGNOSES  
373 VAGINAL DELIVERY WITHOUT COMPLICATING DIAGNOSES  
374 VAGINAL DELIVERY WITH STERILIZATION &/OR DILATION & CURETTAGE  
375 VAGINAL DELIVERY WITH OPERATING ROOM PROCEDURE EXCEPT STERILIZATION &/OR  
DILATION & CURETTAGE  
376 POSTPARTUM & POST ABORTION DIAGNOSES WITHOUT OPERATING ROOM PROCEDURE  
377 POSTPARTUM & POST ABORTION DIAGNOSES WITH OPERATING ROOM PROCEDURE  
378 ECTOPIC PREGNANCY  
379 THREATENED ABORTION  
380 ABORTION WITHOUT DILATION & CURETTAGE  
381 ABORTION WITH DILATION & CURETTAGE, ASPIRATION CURETTAGE OR HYSTEROTOMY  
382 FALSE LABOR  
383 OTHER ANTEPARTUM DIAGNOSES WITH MEDICAL COMPLICATIONS  
384 OTHER ANTEPARTUM DIAGNOSES WITHOUT MEDICAL COMPLICATIONS  
385 NEONATES, DIED OR TRANSFERRED TO ANOTHER ACUTE CARE FACILITY  
386 EXTREME IMMATUREITY OR RESPIRATORY DISTRESS SYNDROME, NEONATE  
387 PREMATUREITY WITH MAJOR PROBLEMS  
388 PREMATUREITY WITHOUT MAJOR PROBLEMS  
389 FULL TERM NEONATE WITH MAJOR PROBLEMS  
390 NEONATE WITH OTHER SIGNIFICANT PROBLEMS  
391 NORMAL NEWBORN  
392 SPLENECTOMY AGE >17  
393 SPLENECTOMY AGE 0-17  
394 OTHER OPERATING ROOM PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS  
395 RED BLOOD CELL DISORDERS AGE >17  
396 RED BLOOD CELL DISORDERS AGE 0-17  
397 COAGULATION DISORDERS  
398 RETICULOENDOTHELIAL & IMMUNITY DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
399 RETICULOENDOTHELIAL & IMMUNITY DISORDERS WITHOUT COMPLICATIONS,  
COMORBIDITIES  
400\* LYMPHOMA & LEUKEMIA WITH MAJOR OPERATING ROOM PROCEDURE (prior to 10-1-03;  
no DRG 400 beginning 10-1-03 when DRGs 539-540 were added)  
401 LYMPHOMA & NON-ACUTE LEUKEMIA WITH OTHER OPERATING ROOM PROCEDURES WITH  
COMPLICATIONS, COMORBIDITIES  
402 LYMPHOMA & NON-ACUTE LEUKEMIA WITH OTHER OPERATING ROOM PROCEDURES WITHOUT  
COMPLICATIONS, COMORBIDITIES



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403 LYMPHOMA & NON-ACUTE LEUKEMIA WITH COMPLICATIONS, COMORBIDITIES  
404 LYMPHOMA & NON-ACUTE LEUKEMIA WITHOUT COMPLICATIONS, COMORBIDITIES  
405 ACUTE LEUKEMIA WITHOUT MAJOR OPERATING ROOM PROCEDURE AGE 0-17  
406 MYELOPROLIFERATIVE DISORDER OR POORLY DIFFUSED NEOPLASMS WITH MAJOR  
OPERATING ROOM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
407 MYELOPROLIFERATIVE DISORDER OR POORLY DIFFUSED NEOPLASMS WITH MAJOR  
OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
408 MYELOPROLIFERATIVE DISORDER OR POORLY DIFFUSED NEOPLASMS WITH OTHER  
OPERATING ROOM PROCEDURES  
409 RADIOTHERAPY  
410 CHEMOTHERAPY WITHOUT ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS  
411 HISTORY OF MALIGNANCY WITHOUT ENDOSCOPY  
412 HISTORY OF MALIGNANCY WITH ENDOSCOPY  
413 OTHER MYELOPROLIFERATIVE DISEASES OR POORLY DIFFUSED NEOPLASM DIAGNOSES  
WITH COMPLICATIONS, COMORBIDITIES  
414 OTHER MYELOPROLIFERATIVE DISEASES OR POORLY DIFFUSED NEOPLASM DIAGNOSES  
WITHOUT COMPLICATIONS, COMORBIDITIES  
415\* OPERATING ROOM PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES (prior to 10-  
1-06)  
416\* SEPTICEMIA AGE >17 (prior to 10-1-06)  
417 SEPTICEMIA AGE 0-17  
418 POSTOPERATIVE & POST-TRAUMATIC INFECTIONS  
419 FEVER OF UNKNOWN ORIGIN AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
420 FEVER OF UNKNOWN ORIGIN AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
421 VIRAL ILLNESS AGE >17  
422 VIRAL ILLNESS & FEVER OF UNKNOWN ORIGIN AGE 0-17  
423 OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES  
424 OPERATING ROOM PROCEDURE WITH PRINCIPAL DIAGNOSES OF MENTAL ILLNESS  
425\* ACUTE ADJUSTMENT REACTIONS & DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION  
(prior to 10/01/99)  
425\* ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION (beginning 10/01/99)  
426 DEPRESSIVE NEUROSES  
427 NEUROSES EXCEPT DEPRESSIVE  
428 DISORDERS OF PERSONALITY & IMPULSE CONTROL  
429 ORGANIC DISTURBANCES & MENTAL RETARDATION  
430 PSYCHOSES  
431 CHILDHOOD MENTAL DISORDERS  
432 OTHER MENTAL DISORDER DIAGNOSES  
433 ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AGAINST MEDICAL ADVICE  
434\* ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOM TREATMENT  
WITH COMPLICATIONS, COMORBIDITIES (prior to 10-1-01; no DRG 434 beginning  
10-1-01 when DRGs 521-523 were added)  
435\* ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOM TREATMENT  
WITHOUT COMPLICATIONS, COMORBIDITIES (prior to 10-1-01; no DRG 435  
beginning 10-1-01 when DRGs 521-523 were added)  
436\* ALCOHOL/DRUG DEPENDENCE WITH REHABILITATION THERAPY (prior to 10-1-01; no  
DRG 436 beginning 10-1-01 when DRGs 521-523 were added)  
437\* ALCOHOL/DRUG DEPENDENCE, COMBINED REHABILITATION & DETOXIFICATION THERAPY  
(prior to 10-1-01; no DRG 437 beginning 10-1-01 when DRGs 521-523 were  
added)  
439 SKIN GRAFTS FOR INJURIES  
440 WOUND DEBRIDEMENTS FOR INJURIES  
441 HAND PROCEDURES FOR INJURIES  
442 OTHER OPERATING ROOM PROCEDURES FOR INJURIES WITH COMPLICATIONS,

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COMORBIDITIES

443 OTHER OPERATING ROOM PROCEDURES FOR INJURIES WITHOUT COMPLICATIONS,  
COMORBIDITIES

444 TRAUMATIC INJURY AGE >17 WITH COMPLICATIONS, COMORBIDITIES

445 TRAUMATIC INJURY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES

446 TRAUMATIC INJURY AGE 0-17

447 ALLERGIC REACTIONS AGE >17

448 ALLERGIC REACTIONS AGE 0-17

449 POISONING & TOXIC EFFECTS OF DRUGS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES

450 POISONING & TOXIC EFFECTS OF DRUGS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES

451 POISONING & TOXIC EFFECTS OF DRUGS AGE 0-17

452 COMPLICATIONS OF TREATMENT WITH COMPLICATIONS, COMORBIDITIES

453 COMPLICATIONS OF TREATMENT WITHOUT COMPLICATIONS, COMORBIDITIES

454 OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES WITH COMPLICATIONS,  
COMORBIDITIES

455 OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES WITHOUT COMPLICATIONS,  
COMORBIDITIES

456\* BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY (prior to 10-1-98; no  
DRG 456 beginning 10-1-98 when DRGs 504-511 were added)

457\* EXTENSIVE BURNS WITHOUT OPERATING ROOM PROCEDURE (prior to 10-1-98; no  
DRG 457 beginning 10-1-98 when DRGs 504-511 were added)

458\* NON-EXTENSIVE BURNS WITH SKIN GRAFT (prior to 10-1-98; no  
DRG 458 beginning 10-1-98 when DRGs 504-511 were added)

459\* NON-EXTENSIVE BURNS WITH WOUND DEBRIDEMENT OR OTHER OPERATING ROOM  
PROCEDURE (prior to 10-1-98; no DRG 459 beginning 10-1-98 when DRGs 504-  
511 were added)

460\* NON-EXTENSIVE BURNS WITHOUT OPERATING ROOM PROCEDURE (prior to 10-1-98; no  
DRG 460 beginning 10-1-98 when DRGs 504-511 were added)

461 OPERATING ROOM PROCEDURE WITH DIAGNOSES OF OTHER CONTACT WITH HEALTH  
SERVICES

462 REHABILITATION

463 SIGNS & SYMPTOMS WITH COMPLICATIONS, COMORBIDITIES

464 SIGNS & SYMPTOMS WITHOUT COMPLICATIONS, COMORBIDITIES

465 AFTERCARE WITH HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS

466 AFTERCARE WITHOUT HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS

467 OTHER FACTORS INFLUENCING HEALTH STATUS

468 EXTENSIVE OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS

469 PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS

470 UNGROUPABLE

471 BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREMITY

472\* EXTENSIVE BURNS WITH OPERATING ROOM PROCEDURE (prior to 10-1-98; no DRG  
472 beginning 10-1-05 when DRG 553 was added)

473 ACUTE LEUKEMIA WITHOUT MAJOR OPERATING ROOM PROCEDURE AGE >17

475 RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT

476 PROSTATIC OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS

477 NON-EXTENSIVE OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS

478\* OTHER VASCULAR PROCEDURES WITH COMPLICATIONS, COMORBIDITIES (prior to 10-  
1-05; no DRG 478 beginning 10-1-05 when DRGs 553-554 were added)

479 OTHER VASCULAR PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

480\* LIVER TRANSPLANT (prior to 10-1-04)

480\* LIVER TRANSPLANT AND/OR INTESTINAL TRANSPLANT (beginning 10-1-04)

481 BONE MARROW TRANSPLANT

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482 TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES  
483\* TRACHEOSTOMY EXCEPT FOR FACE, MOUTH, & NECK DIAGNOSES (prior to 10-1-02)  
483\* TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL DIAGNOSIS  
EXCEPT FACE, MOUTH, & NECK (beginning 10-1-02, used to 10-1-04)  
483\* TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL DIAGNOSIS  
EXCEPT FACE, MOUTH, AND NECK DIAGNOSES (prior to 10-1-04; no DRG 483  
beginning 10-1-04 when DRGs 541-542 were added)  
484 CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA  
485 LIMB REATTACHMENT, HIP AND FEMUR PROCEDURE FOR MULTIPLE SIGNIFICANT TRAUMA  
486 OTHER OPERATING ROOM PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA  
487 OTHER MULTIPLE SIGNIFICANT TRAUMA  
488 HIV WITH EXTENSIVE OPERATING ROOM PROCEDURE  
489 HIV WITH MAJOR RELATED CONDITION  
490 HIV WITH OR WITHOUT OTHER RELATED CONDITION  
491 MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY  
492\* CHEMOTHERAPY W/ ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS (prior to 10-1-03)  
492\* CHEMOTHERAPY W/ ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS OR WITH USE OF HIGH-  
DOSE CHEMOTHERAPY AGENT (beginning 10-1-03)  
493 LAPAROSCOPIC CHOLECYSTECTOMY WITHOUT COMMON DUCT EXPLORATION WITH  
COMPLICATIONS, COMORBIDITIES  
494 LAPAROSCOPIC CHOLECYSTECTOMY WITHOUT COMMON DUCT EXPLORATION WITHOUT  
COMPLICATIONS, COMORBIDITIES  
495 LUNG TRANSPLANT  
496\* COMBINED ANTERIOR/POSTERIOR SPINAL FUSION (added 10-1-97)  
497\* SPINAL FUSION WITH COMPLICATIONS AND COMORBIDITIES (between 10-1-97 and  
10-1-01)  
497\* SPINAL FUSION EXCEPT CERVICAL WITH COMPLICATIONS AND COMORBIDITIES (added  
10-1-01)  
498\* SPINAL FUSION WITHOUT COMPLICATIONS AND COMORBIDITIES (between 10-1-97 and  
10-1-01)  
498\* SPINAL FUSION EXCEPT CERVICAL WITHOUT COMPLICATIONS AND COMORBIDITIES  
(added 10-1-01)  
499\* BACK & NECK PROCEDURES EXCEPT SPINAL FUSION WITH COMPLICATIONS AND  
COMORBIDITIES (added 10-1-97)  
500\* BACK & NECK PROCEDURES EXCEPT SPINAL FUSION WITHOUT COMPLICATIONS AND  
COMORBIDITIES (added 10-1-97)  
501\* KNEE PROCEDURES W PDX OF INFECTION WITH COMPLICATIONS AND COMORBIDITIES  
(added 10-1-97)  
502\* KNEE PROCEDURES W PDX OF INFECTION WITHOUT COMPLICATIONS AND COMORBIDITIES  
(added 10-1-97)  
503\* KNEE PROCEDURES WITHOUT PDX OF INFECTION (added 10-1-97)  
504\* EXTENSIVE 3rd DEGREE BURNS WITH SKIN GRAFT (added 10-1-98, used to 10-1-04)  
504\* EXTENSIVE BURNS OR FULL THICKNESS BURNS WITH MECHANICAL VENTILATION 96+  
HOURS WITH SKIN GRAFT (beginning 10-1-04)  
505\* EXTENSIVE BURNS OR FULL THICKNESS BURNS WITHOUT SKIN GRAFT (added 10-1-98,  
used to 10-1-04)  
505\* EXTENSIVE BURNS OR FULL THICKNESS BURNS WITH MECHANICAL VENTILATION 96+  
HOURS WITHOUT SKIN GRAFT (beginning 10-1-04)  
506\* FULL THICKNESS BURN WITH SKIN GRAFT OR INHALATION INJURY WITH CC OR  
SIGNIFICANT TRAUMA (added 10-1-98)  
507\* FULL THICKNESS BURN WITH SKIN GRAFT OR INHALATION INJURY WITHOUT CC OR  
SIGNIFICANT TRAUMA (added 10-1-98)  
508\* FULL THICKNESS BURN WITHOUT SKIN GRAFT OR INHALATION INJURY WITH CC OR  
SIGNIFICANT TRAUMA (added 10-1-98)

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- 509\* FULL THICKNESS BURN WITHOUT SKIN GRAFT OR INHALATION INJURY WITHOUT CC OR SIGNIFICANT TRAUMA (added 10-1-98)
- 510\* NON-EXTENSIVE BURNS WITH CC OR SIGNIFICANT TRAUMA (added 10-1-98)
- 511\* NON-EXTENSIVE BURNS WITHOUT CC OR SIGNIFICANT TRAUMA (added 10-1-98)
- 512\* SIMULTANEOUS PANCREAS/KIDNEY TRANSPLANT (added 10-1-01)
- 513\* PANCREAS TRANSPLANTS (added 10-1-01)
- 514\* CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION (added 10-1-01; no DRG 514 beginning 10-1-03 when replaced by DRG 535-DRG 536)
- 515\* CARDIAC DEFIBRILLATOR IMPLANT WITHOUT CARDIAC CATHETERIZATION (added 10-1-01)
- 516\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITH ACUTE MYOCARDIAL INFARCTION (added 10-1-01; no DRG 516 beginning 10-1-05 when DRG 555 was added)
- 517\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITHOUT ACUTE MYOCARDIAL INFARCTION, WITH CORONARY ARTERY STENT IMPLANT (added 10-1-01; no DRG 517 beginning 10-1-05 when DRG 556 was added)
- 518\* PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITHOUT ACUTE MYOCARDIAL INFARCTION, WITHOUT CORONARY ARTERY STENT IMPLANT (added 10-1-01)
- 519\* CERVICAL SPINAL FUSION WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 520\* CERVICAL SPINAL FUSION WITHOUT COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 521\* ALCOHOL/DRUG ABUSE OR DEPENDENCE WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 522\* ALCOHOL/DRUG ABUSE OR DEPENDENCE WITH REHABILITATION THERAPY WITHOUT COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 523\* ALCOHOL/DRUG ABUSE OR DEPENDENCE WITHOUT REHABILITATION THERAPY WITHOUT COMPLICATIONS AND COMORBIDITIES (added 10-1-01)
- 524\* TRANSIENT ISCHEMIA (added 10-1-02)
- 525\* HEART ASSIST SYSTEM IMPLANT (added 10-1-02, used to 10-1-04)
- 525\* OTHER HEART ASSIST SYSTEM IMPLANT (beginning 10-1-04)
- 526\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH DRUG-ELUDING STENT WITH ACUTE MYOCARDIAL INFARCTION (added 04-1-03; no DRG 526 beginning 10-1-05 when DRG 557 was added)
- 527\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH DRUG-ELUDING STENT WITHOUT ACUTE MYOCARDIAL INFARCTION (added 04-1-03; no DRG 527 beginning 10-1-05 when DRG 558 was added)
- 528\* INTRA CRANIAL VASCULAR PROCEDURE WITH PRINCIPAL DIAGNOSIS OF HEMORRHAGE (added 10-1-03)
- 529\* VENTRICULAR SHUNT PROCEDURES WITH CC (added 10-1-03)
- 530\* VENTRICULAR SHUNT PROCEDURES WITHOUT CC (added 10-1-03)
- 531\* SPINAL PROCEDURES WITH CC (added 10-1-03)
- 532\* SPINAL PROCEDURES WITHOUT CC (added 10-1-03)
- 533\* EXTRACRANIAL VASCULAR PROCEDURES WITH CC (added 10-1-03)
- 534\* EXTRACRANIAL VASCULAR PROCEDURES WITHOUT CC (added 10-1-03)
- 535\* CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITH ACUTE MYOCARDIAL INFARCTION (AMI), HEART FAILURE OR SHOCK (added 10-1-03)
- 536\* CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITHOUT ACUTE MYOCARDIAL INFARCTION (AMI), HEART FAILURE OR SHOCK (added 10-1-03)
- 537\* LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP AND FEMUR WITH CC (added 10-1-03)
- 538\* LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP AND FEMUR WITHOUT CC (added 10-1-03)
- 539\* LYMPHOMA AND LEUKEMIA WITH MAJOR O.R. PROCEDURE WITH CC (added 10-1-03)
- 540\* LYMPHOMA AND LEUKEMIA WITH MAJOR O.R. PROCEDURE WITHOUT CC (added 10-1-03)
- 541\* ECMO OR TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL

**Diagnosis Related Group (DRG) Version 24 (data through 3<sup>rd</sup> quarter 2007)**

DIAGNOSES EXCEPT FACE, MOUTH AND NECK DIAGNOSES WITH MAJOR OPERATING ROOM  
PROCEDURE (added 10-1-04)

542\* TRACHEOSTOMY WITH MECHANICAL VENTILATION 96+ HOURS OR PRINCIPAL DIAGNOSIS  
EXCEPT FACE, MOUTH AND NECK DIAGNOSES WITHOUT MAJOR OPERATING ROOM  
PROCEDURE (added 10-1-04)

543\* CRANIOTOMY WITH IMPLANT OF CHEMO AGENT OR ACUTE COMPLEX CNS PRINCIPAL  
DIAGNOSIS (after 10-1-04)

543\* CRANIOTOMY WITH MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PRINCIPAL  
DIAGNOSIS (added 10-1-04 until 10-1-06)

544\* MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY (added 10-1-05)

545\* REVISION OF HIP OR KNEE REPLACEMENT (added 10-1-05)

546\* SPINAL FUSIONS EXCEPT CERVICAL WITH CURVATURE OF THE SPINE OR MALIGNANCY  
(added 10-1-05)

547\* CORONARY BYPASS WITH CARDIAC CATHETERIZATION WITH MCV DIAGNOSIS (added 10-  
1-05)

548\* CORONARY BYPASS WITH CARDIAC CATHETERIZATION WITHOUT MCV DIAGNOSIS (added  
10-1-05)

549\* CORONARY BYPASS WITHOUT CARDIAC CATHETERIZATION WITH MCV DIAGNOSIS (added  
10-1-05)

550\* CORONARY BYPASS WITHOUT CARDIAC CATHETERIZATION WITHOUT MCV DIAGNOSIS  
(added 10-1-05)

551\* PERMANENT CARDIAC PACEMAKER IMPLANT WITH MCV DIAGNOSIS OR AICD LEAD OR  
GENERATOR (added 10-1-05)

552\* OTHER PERMANENT CARDIAC PACEMAKER IMPLANT WITHOUT MCV DIAGNOSIS (added 10-  
1-05)

553\* OTHER VASCULAR PROCEDURES WITH COMPLICATIONS AND COMORBIDITIES (added 10-1-  
05)

554\* OTHER VASCULAR PROCEDURES WITHOUT COMPLICATIONS AND COMORBIDITIES (added  
10-1-05)

555\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH MCV DIAGNOSIS (added 10-1-05)

556\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH NON DRUG-ELUTING STENT WITHOUT  
MCV DIAGNOSIS (added 10-1-05)

557\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH NON DRUG-ELUTING STENT WITH MCV  
DIAGNOSIS (added 10-1-05)

558\* PERCUTANEOUS CARDIOVASCULAR PROCEDURE WITH NON DRUG-ELUTING STENT WITHOUT  
MCV DIAGNOSIS (added 10-1-05)

559\* ACUTE ISCHEMIC STROKE WITH USE OF THROMBOLYTIC AGENT (added 10-1-05)

560\* BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM (added 10-1-06)

561\* NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS (added  
10-1-06)

562\* SEIZURE AGE >17 W COMPLICATIONS & COMORBIDITIES (added 10-1-06)

563\* SEIZURE AGE >17 WITHOUT COMPLICATIONS & COMORBIDITIES (added 10-1-06)

564\* HEADACHES >17 (added 10-1-06)

565\* RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT 96+ HRS (added 10-1-  
06)

566\* RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT <96 HRS (added 10-1-  
06)

567\* STOMACH, ESOPHAGEAL & DUODENAL PROC AGE >17 W CC W MAJOR GI DX (added 10-1-  
06)

568\* STOMACH, ESOPHAGEAL & DUODENAL PROC AGE >17 W CC W/O MAJOR GI DX (added 10-  
1-06)

569\* MAJOR SMALL & LARGE BOWEL PROCEDURES W CC W MAJOR GI DX (added 10-1-06)

570\* MAJOR SMALL & LARGE BOWEL PROCEDURES W CC W/O MAJOR GI DX (added 10-1-06)

571\* MAJOR ESOPHAGEAL DISORDERS (added 10-1-06)

572\* MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS (added 10-1-06)  
 573\* MAJOR BLADDER PROCEDURES (added 10-1-06)  
 574\* MAJOR HEMATOLOGIC/IMMUNOLOGIC DX EXCEP SCYLE CELL CRISIS & COAG (added 10-1-06)  
 575\* SEPTICEMIA W MECHANICAL VENTILATOR 96+ HOURS AGE >17 (added 10-1-06)  
 576\* SEPTICEMIA W MECHANICAL VENTILATOR W/O 96+ HOURS AGE >17 (added 10-1-06)  
 577\* CAROTID ARTERY STENT PROCEDURE (added 10-1-06)  
 578\* INFECTIOUS & PARASITIC DISEASES W OR PROCEDURE (added 10-1-06)  
 579\* POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W OR PROCEDURE (added 10-1-06)

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\*Change made in DRG classification. Hospitals provided the Office of Health Care Statistics (OHCS) with ICD-9-CM codes, rather than DRGs, so there was no need for the hospitals to be aware of DRG changes. The DRG was assigned by OHCS using 3M software (reference given on page 3) which classified the hospital discharge into a DRG based on the ICD-9-CM codes and other data such as age. OHCS accounted for DRG changes by using the DRG definitions which applied to the date of hospital discharge until 2007 when the new MS-DRG was introduced.

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### **Major Diagnosis Category (MDC)\***

- 0 = Ungroupable
- 1 = Nervous System
- 2 = Eye
- 3 = Ear, Nose, Mouth & Throat
- 4 = Respiratory System
- 5 = Circulatory System
- 6 = Digestive System
- 7 = Hepatobiliary System & Pancreas
- 8 = Musculoskeletal System & Connective Tissue
- 9 = Skin, Subcutaneous Tissue & Breast
- 10 = Endocrine, Nutritional & Metabolic System
- 11 = Kidney & Urinary Tract
- 12 = Male Reproductive System
- 13 = Female Reproductive System
- 14 = Pregnancy, Childbirth & the Puerperium
- 15 = Newborn & Other Neonates (Perinatal Period)
- 16 = Blood and Blood-Forming Disorders
- 17 = Myeloproliferative DDs (Diff Neoplasms)
- 18 = Infectious and Parasitic DDs
- 19 = Mental Diseases and Disorders
- 20 = Alcohol/Drug Use or Induced Mental Disorders
- 21 = Injuries, Poisoning and Toxic Effect of Drugs
- 22 = Burns
- 23 = Factors Influencing Health Status
- 24 = Multiple Significant Trauma
- 25 = Human Immunodeficiency Virus Infection

\*Patients having heart, liver, lung, simultaneous pancreas/kidney, pancreas, or bone marrow transplants, or tracheostomies, traditionally categorized as PRE MDC (0), are assigned by the DRG

Grouper into the following DRGs independent of the MDC of the principal diagnosis: 476, 477, 480-483, 495, 512, 513. DRGs (468,469,470) associated with all MDCs are assigned independent of the MDC of the principal diagnosis if the diagnosis is valid. Otherwise, this is the traditional Health Care Financing Administration (HCFA) MDC.

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**Total Charge (see charge note below)**

Total dollars and cents amount charged for the discharge (with 2 decimal digits).  
. = Not reported

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**Facility Charge (see charge note below)**

Sum of total dollars and cents amount charged from NUBC revenue codes 10x-94x for the discharge (with 2 decimal digits).  
. = Not reported

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**Professional Charge (see charge note below)**

Sum of total dollars and cents amount charged from NUBC revenue codes 95x-98x for the discharge (with 2 decimal digits).  
. = Not reported

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**CHARGE NOTE:** Total Charge is reported by hospitals. Facility and professional charges are calculated from individual revenue charges. Due to various reasons, e.g. adjusting total charges without making corresponding adjustment in specific revenue charge, the sum of facility and professional charges are not necessarily equal to total charges.

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**Admitting Physician's Specialty**

A = Allergy  
ABS = Abdominal surgery  
ACD = Alcohol, chemical dependency  
ADL = Adolescent medicine  
ADM = Administrative medicine  
AI = Allergy & immunology

## Admitting Physician's Specialty

AM = Aerospace medicine  
AN = Anesthesiology  
BLB = Blood bank pathology  
CCM = Critical care medicine  
CD = Cardiovascular diseases  
CDS = Cardiovascular surgery  
CHP = Child psychiatry  
CLP = Clinical pathology  
CMP = Chemical pathology  
CNA = Cert. Registered nurse anesthetist  
CNM = Certified nurse midwife  
CPS/CSW = Clinical psychologist/clinical social worker  
CPS = Clinical psychologist  
CRS = Colon & rectal surgery  
CSW = Clinical social worker  
D = Dermatology  
DDS = Dentist  
DIA = Diabetes  
DLI = Diagnostic lab immunology  
DMP = Dermatopathology  
DPM = Podiatrist  
DO = Doctor of osteopathy  
DR = Diagnostic radiology  
EM = Emergency  
END = Endocrinology  
ENT = Otorhinolaryngology  
F = Fellow  
FNP = Family nurse practitioner  
FOP = Forensic pathology  
FP = Family practice  
FP /P = Family practice/Psychiatry  
FP/GS = Family practice/General surgery  
FP/DDS = Family practice/Dentist  
FPS = Facial plastic surgery  
G = General  
GE = Gastroenterology  
GER = Geriatrics  
GO = Gynecology/oncology  
GP = General practice  
GPM = General preventive medicine  
GS = General surgery  
GYN = Gynecology  
HEM = Hematology  
HMO = Hematology/oncology  
HEM/OMC = Hematology/oncology  
HS = Hand surgery



## Admitting Physician's Specialty

HNS = Head & neck surgery  
HYP = Hypnosis  
ID = Infectious diseases  
IM = Internal medicine  
IMU = Immunology  
IP = Immunopathology  
LM = Legal medicine  
MFM = Maternal/fetal medicine  
MFS = Maxillofacial surgery  
MM = Medical microbiology  
N = Neurology  
NBI = Pediatrics  
NEO = Neonatology  
NEP = Nephrology  
NM = Nuclear medicine  
NNP = Neonatal nurse prac.  
NP = Neuropathology  
NPM = Neonatal/perinatal medicine  
NR = Neuroradiology  
NS = Neurological surgery  
NTR = Nutrition  
OBG = Obstetrics & gynecology  
OBS = Obstetrics  
OM = Occupational medicine  
OMS = Oral & maxillofacial surgery  
OMC = Oncology  
ONS = Oncology surgery  
ONC = Oncology  
OPH = Ophthalmology  
ORS = Orthopedic surgery  
OT = Otology  
OTO = Otorhinolaryngology  
P = Psychiatry  
PA = Clinical pharmacology  
PAC = Certified physician asst  
PAN = Pediatric abuse & neglect  
PD = Pediatrics  
PDA = Pediatric allergy  
PDC = Pediatric cardiology  
PDE = Pediatric endocrinology  
PDG = Pediatric gastroenterology  
PDI = Pediatric immunology  
PDN = Pediatric neurology  
PD/NEO = Pediatric neonatology  
PDP = Pediatric pulmonology  
PDR = Pediatric radiology

## **Admitting Physician's Specialty - continued**

PDS = Pediatric surgery  
PDU = Pediatric urology  
PDY = Pediatric respiratory  
PER = Perinatology  
PEM = Pediatric emergency medicine  
PH = Public health  
PHO = Pediatric/Hematology/oncology  
PM = Physical medicine & rehabilitation  
PNP = Pediatric nephrology  
POD = Podiatrist  
PRO = Proctologist  
PS = Plastic surgery  
PSF = Facial plastic surgery  
PUD = Pulmonary disease  
PTH = Pathology  
PV = Peripheral Vascular  
PYA = Psychoanalysis  
R = Radiology  
RD = Respiratory disease  
RDT = Radiation Therapy  
REN = Reproductive endocrinology  
RES = Resident  
RES/CSW = Resident/clinic social worker  
RET = Retired  
RHU = Rheumatology  
RIP = Radiosotopic pathology  
RSH = Research  
RON = Radiation oncology  
SH = Student health  
SM = Sports medicine  
SGO = Surgery, other (list specialty)  
SGO/N = Surgery, other (neurology)  
SGO/01 = Surgery, other (neurosurgeon)  
TR = Therapeutic radiology  
TS = Thoracic surgery  
U = Urology  
US = Urological surgery  
VS = Vascular surgery  
UNK = Unknown  
MD = Encrypted (confidential data)  
Blank = Not reported

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**Attending Physician's Specialty**

Descriptions are the same as admitting physician's specialty.

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**Other Consulting Physician's Specialty**

Descriptions are the same as admitting physician's specialty.

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**Surgeon's Specialty**

Descriptions are the same as admitting physician's specialty.

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**Primary Payer Category**

01 = Medicare  
02 = Medicaid  
03 = Other government  
04 = Blue Cross/Blue Shield  
05 = Other commercial  
06 = Managed care  
07 = Self pay  
08 = Industrial and worker's compensation  
09 = Charity/Unclassified  
10 = Unknown  
13 = CHIP(Children's Health Insurance Plan)  
99 = Not reported

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**Secondary Payer Category and Tertiary Payer Category**

Descriptions are the same as first payer category.

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**Patient's Relationship to the First Insured Person**

(Data may include newer relationship codes that have not been resolved)

- 1 = Patient is the named insured
- 2 = Spouse
- 3 = Natural Child/insured financial responsibility
- 4 = Natural Child/insured does not have financial responsibility
- 5 = Step Child
- 6 = Foster Child
- 7 = Ward of the Court (Patient is ward of the insured as a result of a court order.)
- 8 = Employee (The patient is employed by the named insured)
- 9 = Unknown
- 10 = Handicapped Dependent (Dependent child whose coverage extends beyond normal termination age limits as a result of laws or agreements extending coverage.)
- 11 = Organ Donor (Code is used in cases where bill is submitted for care given to organ donor where such care is paid by the receiving patient's insurance coverage.)
- 12 = Cadaver Donor (Code is used where bill is submitted for procedures performed on cadaver donor where such procedures are paid by the receiving patient's insurance coverage.)
- 13 = Grandchild
- 14 = Niece or Nephew
- 15 = Injured Plaintiff (Patient is claiming insurance as a result of injury covered by insured.)
- 16 = Sponsored Dependent (Individual not normally covered by insurance coverage but coverage has been specially arranged to include relationships such as grandparent or former spouse that would require further investigation by the payer.)
- 17 = Minor Dependent of a Minor Dependent (Code is used where patient is a minor and a dependent of another minor who in turn is a dependent, although not a child, of the insured.)
- 18 = Parent
- 19 = Grandparent
- 20 = Life Partner
- blank = Not reported

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**Record ID Number**

A unique number for each discharge, which is also unique across all years that inpatient discharge data are available.

---

**Outlier, Facility Charge**

0 = No  
1 = Yes

NOTE: A charge is an outlier if it is above 2.5 standard deviations from the mean of facility charges. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year.

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**Outlier, Length of Stay**

0 = No  
1 = Yes

NOTE: A length of stay is an outlier if it is above 2.5 standard deviations from the mean of length of stay. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year.

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**Patient Severity Subclass Value**

0 = No value assigned (record is ungroupable into a APR-DRG)  
1 = Minor severity of illness subclass  
2 = Moderate severity of illness subclass  
3 = Major severity of illness subclass  
4 = Extreme severity of illness subclass

Note: Patient severity subclass value should be used as a subcategory of the APR-DRG.

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**Patient Risk of Mortality Value**

0 = No value assigned (record is ungroupable into a APR-DRG)  
1 = Minor risk of mortality  
2 = Moderate risk of mortality  
3 = Major risk of mortality

4 = Extreme risk of mortality

Note: Patient risk of mortality value should be used as a subcategory of the APR-DRG.

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### Discharge Quarter

- 1 = First Quarter (January 1 to March 31)
- 2 = Second Quarter (April 1 to June 30)
- 3 = Third Quarter (July 1 to September 30)
- 4 = Fourth Quarter (October 1 to December 31)

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### E-code

Supplementary classification of External Causes of Injury and Poisoning. Refer to *International Classification of Diseases (9th Revision): Clinical Modification* for description.

There is an "implied" decimal point between the 3rd and 4th digit (decimal point is part of ICD-9-CM E-code but has been stripped out of data).

Blank = Not reported

The ICD-9-CM E-codes can be looked up on the internet at Yaki Technologies' website "[www.eicd.com/eicdmain.htm](http://www.eicd.com/eicdmain.htm)".

Secondary E-codes can be found in data file in the Secondary Diagnosis Code fields.

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### APR-DRG

The original Health Care Financing Administration Diagnosis Related Groups (HCFA-DRG, or just DRG) (page 18) was developed to relate types of patients treated to the resources they consumed (resource intensity). Whereas the HCFA-DRG was developed to classify Medicare beneficiaries, the All Patient Refined Diagnosis Related Groups (APR-DRG) is expanded to be more representative of diverse patient populations, such as pediatric patients. Also, the APR-DRG system provides for subclassifications, such as severity of illness and risk of mortality. The severity of illness subclassification is provided in the data file ('patient severity subclass value' on page 36). [source: *All Patient Refined Diagnosis Related Groups (APR-DRGs) Definition Manual*, version 12.0, Wallingford, CT, 3M Health Care, 1995, p. 1.]

Whereas the HCFA-DRG only changed slightly across the years, there are large differences between versions 12.0 and 15.0 and between versions 15.0 and 20.0 of the APR-DRG. **The difference between versions 20.0 and 24.0 and 25.0 is relatively minor.** Version 15.0 became effective 04/01/98. Version 12.0 became effective on 05/01/95, and it was applied retrospectively to earlier data as well.

**Starting with version 24.0 of the APR-DRG, 3M will update the APR-DRG every fiscal year (Changing Oct 1) and the version will correspond with the HCFA-DRG version. Starting with the 2006 data, the version will be determined based on the date of discharge.** For the 2005 data through 3<sup>rd</sup> quarter 2006, version 20.0 of the APR-DRG was used. For the 1999 data through 2004, only version 15.0 of the APR-DRG was used. For 1998 data, both version 12.0 and 15.0 were used (v12.0 for first quarter 1998 and v15.0 for second through fourth quarters 1998). For 1992 through 1997, only version 12.0 was used. Information for mapping version 12.0 to version 15.0 APR-DRG codes is available upon request.

As with the HCFA-DRG, the APR-DRG was assigned by the Office of Health Care Statistics using the 3M software, based on ICD-9-CM codes and other variables, such as age, provided by the hospitals.

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

001\* Liver transplant (until 10/1/06)  
001\* Liver transplant and/or intestinal transplant (after 10/1/06)  
002 Heart &/or lung transplant  
003 Bone marrow transplant  
004\* Tracheostomy with long term mechanical ventilation w extensive procedure (until 10/1/06)  
004\* ECMO or tracheostomy with long term mechanical ventilation w extensive procedure (after 10/1/06)  
004\* Tracheostomy with mechanical ventilation 96+ hours w extensive procedure or ECMO (after 10/1/07)  
005\* Tracheostomy with long term mechanical ventilation w/o extensive procedure (until 10/1/07)  
005\* Tracheostomy with mechanical ventilation 96+ hours w/o extensive procedure (after 10/1/07)  
006 Pancreas transplant  
020 Craniotomy for trauma  
021 Craniotomy except for trauma  
022 Ventricular shunt procedures  
023 Spinal procedures  
024 Extracranial vascular procedures  
026 Other nervous system and related procedures  
040 Spinal disorders & injuries  
041 Nervous system malignancy  
042 Degenerative nervous system disorders exc mult sclerosis  
043 Multiple sclerosis & other demyelinating diseases  
044 Intracranial hemorrhage  
045 CVA & precerebral occlusion w infarct  
046 Nonspecific CVA & precerebral occlusion w/o infarct  
047 Transient ischemia  
048 Peripheral, cranial & autonomic nerve disorders  
049 Bacterial & tuberculous infections of nervous system  
050 Non-bacterial infections of nervous system exc viral meningitis  
051 Viral meningitis  
052 Nontraumatic stupor & coma  
053 Seizure  
054 Migraine & other headaches  
055 Head trauma w coma >1 hr or hemorrhage  
056 Brain contusion/laceration & complicated skull fx, coma <1 hr or no coma  
057 Concussion, closed skull fx nos, uncomp intracranial injury, coma <1 hr or no coma  
058 Other disorders of nervous system  
070 Orbital procedures  
073 Eye procedures except orbit  
080 Acute major eye infections  
082 Eye disorders except major infections  
089 Major cranial/facial bone procedures  
090 Major larynx & tracheal procedures  
091 Other major head & neck procedures  
092 Facial bone procedures except major cranial/facial bone procedures



**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

093 Sinus & mastoid procedures  
095 Cleft lip & palate repair  
097 Tonsil & adenoid procedures  
098 Other ear, nose, mouth & throat procedures  
110 Ear, nose, mouth, throat cranial/facial malignancies  
111 Vertigo & other labyrinth disorders  
113 Infections of upper respiratory tract  
114 Dental & oral disease  
115 Other ear, nose, mouth, throat & cranial/facial diagnoses  
120 Major respiratory & chest procedures  
121 Other respiratory & chest procedures  
130 Respiratory system diagnosis w ventilator support 96+ hours  
131 Cystic fibrosis - pulmonary disease  
132 Bpd & oth chronic respiratory dis arising in perinatal period  
133 Pulmonary edema & respiratory failure  
134 Pulmonary embolism  
135 Major chest & respiratory trauma  
136 Respiratory malignancy  
137 Major respiratory infections & inflammations  
138 Bronchiolitis & rsv pneumonia  
139 Other pneumonia  
140 Chronic obstructive pulmonary disease  
141 Asthma  
142 Interstitial lung disease  
143 Other respiratory diagnoses except signs, symptoms & minor diagnoses  
144 Respiratory system signs, symptoms & other diagnoses  
160 Major cardiothoracic repair of heart anomaly  
161 Cardiac defibrillator & heart assist implant  
162 Cardiac valve procedures w cardiac catheterization  
163 Cardiac valve procedures w/o cardiac catheterization  
165 Coronary bypass w cardiac cath or percutaneous cardiac procedure  
166 Coronary bypass w/o cardiac cath or percutaneous cardiac procedure  
167 Other cardiothoracic procedures  
169 Major thoracic & abdominal vascular procedures  
170 Permanent cardiac pacemaker implant w AMI, heart failure or shock  
171 Perm cardiac pacemaker implant w/o AMI, heart failure or shock  
173 Other vascular procedures  
174 Percutaneous cardiovascular procedures w AMI  
175 Percutaneous cardiovascular procedures w/o AMI  
176 Cardiac pacemaker & defibrillator device replacement  
177 Cardiac pacemaker & defibrillator revision except device replacement  
180 Other circulatory system procedures  
190 Acute myocardial infarction  
191 Cardiac catheterization w circ disord exc ischemic heart disease  
192 Cardiac catheterization for ischemic heart disease  
193 Acute & subacute endocarditis

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

194 Heart failure  
196 Cardiac arrest  
197 Peripheral & other vascular disorders  
198 Angina pectoris & coronary atherosclerosis  
199 Hypertension  
200 Cardiac structural & valvular disorders  
201 Cardiac arrhythmia & conduction disorders  
203 Chest pain  
204 Syncope & collapse  
205 Cardiomyopathy  
206 Malfunction, reaction & comp of cardiac/vasc device or proc  
207 Other circulatory system diagnoses  
220 Major stomach, esophageal & duodenal procedures  
221 Major small & large bowel procedures  
222 Other stomach, esophageal & duodenal procedures  
223 Other small & large bowel procedures  
224 Peritoneal adhesiolysis  
225 Appendectomy  
226 Anal procedures  
227 Hernia procedures except inguinal, femoral & umbilical  
228 Inguinal, femoral & umbilical hernia procedures  
229 Other digestive system & abdominal procedures  
240 Digestive malignancy  
241 Peptic ulcer & gastritis  
242 Major esophageal disorders  
243 Other esophageal disorders  
244 Diverticulitis & diverticulosis  
245 Inflammatory bowel disease  
246 Gastrointestinal vascular insufficiency  
247 Intestinal obstruction  
248 Major gastrointestinal & peritoneal infections  
249 Nonbacterial gastroenteritis, nausea & vomiting  
251 Abdominal pain  
252 Malfunction, reaction & complication of GI device or procedure  
253 Other & unspecified gastrointestinal hemorrhage  
254 Other digestive system diagnosis  
260 Major pancreas, liver & shunt procedures  
261 Major biliary tract procedures  
262 Cholecystectomy except laparoscopic  
263 Laparoscopic cholecystectomy  
264 Other hepatobiliary & pancreas procedures  
279 Hepatic coma & other major acute liver disorders  
280 Alcoholic liver disease

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

281 Malignancy of hepatobiliary system & pancreas  
282 Disorders of pancreas except malignancy  
283 Other disorders of liver  
284 Disorders of the gall bladder & biliary tract  
301 Hip joint replacement  
302 Knee joint replacement  
303 Dorsal & lumbar fusion proc for curvature of back  
304 Dorsal & lumbar fusion proc except for curvature of back  
305 Amputation of lower limb except toes  
308 Hip & femur procedures for trauma except joint replacement  
309 Hip & femur procedures for nontrauma except joint replacement  
310 Intervertebral disc excision & decompression  
312 Skin graft except hand, for musculoskeletal & connective tissue diagnosis  
313 Knee & lower leg procedures except foot  
314 Foot & toe procedures  
315 Shoulder, elbow & forearm procedures  
316 Hand & wrist procedures  
317 Tendon, muscle & other soft tissue procedures  
320 Other musculoskeletal system & connective tissue procedures  
321 Cervical spinal fusion & other back/neck procedures except disc excision/dec  
340 Fracture of femur  
341 Fracture of pelvis or dislocation of hip  
342 Fracture or dislocation except femur, pelvis & back  
343 Musculoskeletal malignancy & pathological fractures d/t musculoskel malig  
344 Osteomyelitis, septic arthritis & other musculoskeletal infections  
346 Connective tissue disorders  
347 Other back & neck disorders, fractures & injuries  
349 Malfunction, reaction & complications of orthopedic device or procedure  
351 Other musculoskeletal system & connective tissue diagnoses  
361 Skin graft for skin & subcutaneous tissue diagnoses  
362 Mastectomy procedures  
363 Breast procedures except mastectomy  
364 Other skin, subcutaneous tissue & breast procedures  
380 Skin ulcers  
381 Major skin disorders  
382 Malignant breast disorders  
383 Cellulitis & other bacterial skin infections  
384 Contusion, open wound & other trauma to skin & subcutaneous tissue  
385 Other skin, subcutaneous tissue & breast disorders  
401 Pituitary & adrenal procedures  
403 Procedures for obesity  
404 Thyroid, parathyroid & thyroglossal procedures  
405 Other procedures for endocrine, nutrititional & metabolic disorders

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

420 Diabetes  
421 Malnutrition, failure to thrive & other nutritional disorders  
422 Hypovolemia & electrolyte disorders  
423 Inborn errors of metabolism  
424 Other endocrine disorders  
440 Kidney transplant  
441 Major bladder procedures  
442 Kidney & urinary tract procedures for malignancy  
443 Kidney & urinary tract procedures for nonmalignancy  
444 Renal dialysis access device procedure only  
445 Other bladder procedures  
446 Urethral & transurethral procedures  
447 Other kidney, urinary tract & related procedures  
460 Renal failure  
461 Kidney & urinary tract malignancy  
462 Nephritis & nephrosis  
463 Kidney & urinary tract infections  
465 Urinary stones & acquired upper urinary tract obstruction  
466 Malfunction, reactions & comp of genitourinary device or procedure  
468 Other kidney & urinary tract diagnoses, signs & symptoms  
480 Major male pelvic procedures  
481 Penis procedures  
482 Transurethral prostatectomy  
483 Testes & scrotal procedures  
484 Other male reproductive system & related procedures  
500 Malignancy, male reproductive system  
501 Male reproductive system diagnoses except malignancy  
510 Pelvic evisceration, radical hysterectomy & radical vulvectomy  
511 Uterine & adnexa procedures for ovarian & adnexal malignancy  
512 Uterine & adnexa procedures for non-ovarian & non-adnexal malignancy  
513 Uterine & adnexa procedures for non-malignancy except leiomyoma  
514 Female reproductive system reconstructive procedures  
517 Dilatation & curettage for non-obstetric diagnoses  
519 Uterine & adnexa procedures for leiomyoma  
530 Female reproductive system malignancy  
531 Female reproductive system infections  
532 Menstrual & other female reproductive system disorders  
540 Cesarean delivery  
541 Vaginal delivery w sterilization &/or D&C  
542 Vaginal delivery w complicating proc except sterilization &/or D&C  
544 D&C, aspiration curettage or hysterotomy for obstetric diagnoses  
560 Vaginal delivery  
561 Postpartum & post abortion diagnoses w/o procedure

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

563 Threatened abortion  
564 Abortion w/o D&C, aspiration curettage or hysterotomy  
565 False labor  
566 Other antepartum diagnoses  
580 Neonate, transferred <5 days old, not born here  
581 Neonate, transferred <5 days old, born here  
583 Neonate, w ecmo  
588 Neonate bwt <1500 g with major procedure  
589 Neonate bwt <500 g  
591 Neonate, birthwt 500,749g w/o major procedure  
593 Neonate, birthwt 750g-999g w/o major procedure  
602 Neonate, birthwt 1000-1249g w respiratory distress syndrome or major anomaly  
603 Neonate, birthwt 1000-1249g w or w/o other significant condition  
611 Neonate, birthwt 1500-1999g w major anomaly  
612 Neonate, birthwt 1500-1999g w respiratory distress syndrome/oth maj resp cond  
613 Neonate, birthwt 1500-1999g w congenital or perinatal infections  
614 Neonate, birthwt 1500-1999g w or w/o other significant conditions  
621 Neonate, birthwt 2000-2499g w major anomaly  
622 Neonate, birthwt 2000-2499g w respiratory distress syndrome  
623 Neonate, birthwt 2000-2499g w congenital or perinatal infections  
625 Neonate, birthwt 2000-2499g, born here, w other significant condition  
626 Neonate, bwt 2000-2499g, born here, normal NB & NB w other prob  
630 Neonate, birthwt >2499g w major cardiovascular procedure  
631 Neonate, birthwt >2499g w other major procedure  
633 Neonate, birthwt >2499g w major anomaly  
634 Neonate, birthwt >2499g w respiratory distress syndrome/oth maj resp cond  
636 Neonate, birthwt >2499g w congenital/perinatal infections  
639 Neonate, birthwt >2499g, born here, w other significant condition  
640 Neonate, bwt >2499g, normal NB & NB w other problems  
650 Splenectomy  
651 Other procedures of blood & blood forming organs  
660 Major hematologica/immunologic diagnoses exce sickle cell crisis & coag  
661 Coagulation & platelet disorders  
662 Sickle cell anemia crisis  
663 Other anemia & disorders of blood & blood forming organs  
680 Major O.R. procedures for lymphatic/hematopoietic/other neoplasms  
681 Other O.R. procedures for lymphatic/hematopoietic/other neoplasms  
690 Acute leukemia  
691 Lymphoma, myeloma & non-acute leukemia  
692 Radiotherapy  
693 Chemotherapy  
694 Lymphatic & other malignancies & neoplasms of uncertain behavior  
710 Infectious & parasitic diseases including HIV w O.R.procedure

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 20.0+ (2005 through present)**

711 Postoperative, post traumatic, other device infections w O.R. procedure  
720 Septicemia & disseminated infections  
721 Postoperative, post-traumatic infections, other device infections  
722 Fever  
723 Viral illness  
724 Other infectious & parasitic diseases  
740 Mental illness diagnosis w O.R. procedure  
750 Schizophrenia  
751 Major depressive disorders & other/unspecified psychoses  
752 Disorders of personality & impulse control  
753 Bipolar disorders  
754 Depression except major depressive disorders  
755 Adjustment disorders & neuroses except depressive diagnoses  
756 Acute anxiety & delirium states  
757 Organic mental health disturbances  
758 Childhood behavioral disorders  
759 Eating disorders  
760 Other mental health disorders  
770 Drug & alcohol abuse or dependence, left against medical advice  
771 Alcohol & drug dependence w rehabilitation therapy  
773 Opioid abuse & dependence  
774 Cocaine abuse & dependence  
775 Alcohol abuse & dependence  
776 Other drug abuse & dependence  
791 O.R. procedures for other complications of treatment  
811 Allergic reactions  
812 Poisoning & toxic effects of drugs  
813 Other complications of treatment  
815 Other injury, poisoning & toxic effect diagnoses  
816 Toxic effects of non-medical substances  
841 Extensive 3<sup>rd</sup> degree burns w skin graft  
842 Full thickness burns w skin graft  
843 Extensive 3<sup>rd</sup> degree burns or full thickness burns w/o skin graft  
844 Partial thickness burns w or w/o skin graft  
850 Procedure w diagnoses of rehab, aftercare or other contact w health services  
860 Rehabilitation  
861 Signs, symptoms & other factors influencing health status  
862 Other aftercare & convalescence  
863 Neonatal aftercare  
890 HIV w multiple major HIV related conditions  
892 HIV w major HIV related infections  
893 HIV w multiple significant HIV related conditions  
894 HIV w one significant HIV condition or w/o significant related condition

**All Patient Refined Diagnosis Related Group (APR-DRG)**  
**Version 20.0+ (2005 through present)**

910 Craniotomy for multiple sig trauma  
911 Extensive abdominal/thoracic procedures for multiple significant trauma  
912 Musculoskeletal & other procedures for multiple significant trauma  
930 Multiple significant trauma w/o O.R. procedure  
950 Extensive procedure unrelated to principal diagnosis  
951 Moderately extensive procedure unrelated to principal diagnosis  
952 Nonextensive procedure unrelated to principal diagnosis  
955 Principal diagnosis invalid as discharge diagnosis  
956 Ungroupable

**All Patient Refined Diagnosis Related Group (APR-DRG)**  
**Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

001 Liver transplant  
002 Heart &/or lung transplant  
003 Bone marrow transplant  
004 Tracheostomy except for face,mouth & neck diagnoses  
005 Tracheostomy for face,mouth & neck diagnoses  
020 Craniotomy for trauma  
021 Craniotomy except for trauma  
022 Ventricular shunt procedures  
023 Spinal procedures  
024 Extracranial vascular procedures  
025 Nervous system proc for peripheral nerve disorders  
026 Nervous syst proc for cranial nerv & oth nerv sys disord  
040 Spinal disorders & injuries  
041 Nervous system neoplasms  
042 Degenerative nervous system disorders  
043 Multiple sclerosis & cerebellar ataxia  
044 Intracranial hemorrhage  
045 Cva w infarct  
046 Nonspecific cva & precerebral occlusion w/o infarct  
047 Transient ischemia  
048 Cranial & peripheral nerve disorders  
049 Bacterial & tuberculous infections of nervous system  
050 Non-bacterial infections of nervous system exc viral meningitis  
051 Viral meningitis  
052 Nontraumatic stupor & coma  
053 Seizure  
054 Migraine & other headaches  
055 Head trauma w coma >1 hr or hemorrhage  
056 Skull fracture & spec intracranial injury, coma <1 hr or no coma  
057 Concussion,unspec intracranial injury, coma <1 hr or no coma  
058 Other disorders of nervous system  
070 Orbital procedures  
071 Intraocular procedures except lens  
072 Extraocular procedures except orbit  
073 Lens procedures w or w/o vitrectomy  
080 Acute major eye infections  
081 Neurological eye disorders  
082 Other disorders of the eye  
090 Major larynx & tracheal procedures except tracheostomy  
091 Other major head & neck procedures  
092 Facial bone procedures except major head & neck  
093 Sinus & mastoid procedures  
094 Mouth procedures  
095 Cleft lip & palate repair  
096 Sialoadenectomy & salivary gland procedures  
097 Tonsillectomy & adenoidectomy procedures  
098 Other ear, nose, mouth & throat procedures



**All Patient Refined Diagnosis Related Group (APR-DRG)**  
**Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

110 Ear, nose, mouth & throat malignancy  
111 Dysequilibrium  
112 Epistaxis  
113 Epiglottitis, otitis media, URI & laryngotracheitis  
114 Dental & oral disease  
115 Other ear, nose, mouth & throat diagnoses  
120 Major respiratory procedures  
121 Non-major respiratory procedures  
122 Other respiratory system procedures  
130 Respiratory system diagnosis w ventilator support 96+ hours  
131 Cystic fibrosis  
132 Bpd & oth chronic respiratory dis arising in perinatal period  
133 Pulmonary edema & respiratory failure  
134 Pulmonary embolism  
135 Major chest trauma  
136 Respiratory malignancy  
137 Respiratory infections & inflammations  
138 Rsv pneumonia & whooping cough  
139 Simple pneumonia  
140 Chronic obstructive pulmonary disease  
141 Asthma & bronchiolitis  
142 Interstitial lung disease  
143 Pneumothorax & pleural effusion  
144 Respiratory system signs, symptoms & other diagnoses  
160 Major cardiothoracic repair of heart anomaly  
161 Cardiac defibrillator implant  
162 Cardiac valve procedures w cardiac catheterization  
163 Cardiac valve procedures w/o cardiac catheterization  
164 Coronary bypass w malfunctioning coronary bypass graft  
165 Coronary bypass w/o malfunctioning coronary bypass w cardiac cath  
166 Coronary bypass w/o malfunctioning coronary bypass w/o cardiac cath  
167 Other cardiothoracic procedures  
168 Major thoracic vascular procedures  
169 Major abdominal vascular procedures  
170 Permanent cardiac pacemaker implant w AMI, heart failure or shock  
171 Perm cardiac pacemaker implant w/o AMI, heart failure or shock  
172 Amputation for circ system disorder except upper limb & toe  
173 Other vascular procedures  
174 Percutaneous cardiovascular procedures w AMI  
175 Percutaneous cardiovascular procedures w/o AMI  
176 Cardiac pacemaker & defibrillator device replacement  
177 Cardiac pacemaker & defibrillator revision except device replacement  
178 Upper limb & toe amputation for circ system disorders  
179 Vein ligation & stripping  
180 Other circulatory system procedures  
190 Circulatory disorders w AMI  
191 Cardiac catheterization w circ disord exc ischemic heart disease  
192 Cardiac catheterization for ischemic heart disease

**All Patient Refined Diagnosis Related Group (APR-DRG)**  
**Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

193 Acute & subacute endocarditis  
194 Heart failure  
195 Deep vein thrombophlebitis  
196 Cardiac arrest, unexplained  
197 Peripheral & other vascular disorders  
198 Atherosclerosis  
199 Hypertension  
200 Cardiac congenital & valvular disorders  
201 Cardiac arrhythmia & conduction disorders  
202 Angina pectoris  
203 Chest pain  
204 Syncope & collapse  
205 Cardiomyopathy  
206 Malfunction, reaction & comp of cardiac or vasc device or proc  
207 Other circulatory system diagnoses  
220 Major stomach, esophageal & duodenal procedures  
221 Major small & large bowel procedures  
222 Minor stomach, esophageal & duodenal procedures  
223 Minor small & large bowel procedures  
224 Peritoneal adhesiolysis  
225 Appendectomy  
226 Anal & stomal procedures  
227 Hernia procedures except inguinal & femoral  
228 Inguinal & femoral hernia procedures  
229 Other digestive system procedures  
240 Digestive malignancy  
241 Peptic ulcer & gastritis  
242 Major esophageal disorders  
243 Other esophageal disorders  
244 Diverticulitis & diverticulosis  
245 Inflammatory bowel disease  
246 G.I. vascular insufficiency  
247 G.I. obstruction  
248 Major G.I. bacterial infections  
249 Nonbacterial gastroenteritis & abdominal pain  
250 Other digestive system diagnoses  
260 Pancreas, liver & shunt procedures  
261 Major biliary tract procedures  
262 Cholecystectomy except laparoscopic  
263 Laparoscopic cholecystectomy  
264 Other hepatobiliary & pancreas procedures  
280 Cirrhosis & alcoholic hepatitis  
281 Malignancy of hepatobiliary system & pancreas

**All Patient Refined Diagnosis Related Group (APR-DRG)**  
**Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

282 Disorders of pancreas except malignancy  
283 Disorders of liver except malig, cirrhosis or alcoholic hepatitis  
284 Disorders of the biliary tract  
300 Bilateral & multiple major joint procs of lower extremity  
301 Major joint & limb reattach proc of lower extremity for trauma  
302 Major joint & limb reattach proc of lower extreme exc for trauma  
303 Dorsal & lumbar fusion proc for curvature of back  
304 Dorsal & lumbar fusion proc except for curvature of back  
305 Amputation for musculoskeletal system & conn tissue disorders  
306 Major joint & limb reattachment procedures of upper extremity  
307 Cranial & facial bone reconstructive procedures  
308 Hip & femur procedures except major joint for trauma  
309 Hip & femur procedures except major joint for nontrauma  
310 Back & neck procedures except dorsal & lumbar fusion  
311 Skin graft & wnd debrid for open wnd,ms & conn tiss dis,exc hand  
312 Skin grft & wnd debrid exc opn wnd,for ms & conn tis dis,exc hand  
313 Knee & lower leg procedures except foot  
314 Foot procedures  
315 Shoulder, elbow & forearm procedures  
316 Hand & wrist procedures  
317 Soft tissue procedures  
318 Removal of internal fixation device  
319 Local excision of musculoskeletal system  
320 Other musculoskeletal system & connective tissue procedures  
340 Fractures of femur  
341 Fracture of pelvis or dislocation of hip  
342 Fracture or dislocation except femur & pelvis  
343 Musculoskeletal & conn tiss malignancy & pathological fractures  
344 Osteomyelitis  
345 Septic arthritis  
346 Connective tissue disorders  
347 Medical back problems  
348 Other bone diseases  
349 Malfunction, reaction & comp of orthopedic device or procedure  
350 Musculoskeletal signs,symptoms,sprains & minor inflammatory dis  
351 Other musculoskeletal system & connective tissue diagnoses  
360 Skin graft & wound debrid for skin ulcer & cellulitis  
361 Skin graft & wound debrid exc for skin ulcer & cellulitis  
362 Mastectomy procedures  
363 Breast procedures except mastectomy  
364 Other skin, subcutaneous tissue & breast procedures  
380 Skin ulcers  
381 Major skin disorders

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

382 Malignant breast disorders  
383 Cellulitis  
384 Trauma to the skin, subcutaneous tissue & breast  
385 Other skin & breast disorders  
400 Amputat of lower limb for endocrine, nutrit & metabolic disorders  
401 Adrenal & pituitary procedures  
402 Skin graft & wound debrid for endoc,nutrit & metab disorders  
403 Procedures for obesity  
404 Thyroid, parathyroid & thyroglossal procedures  
405 Other endocrine, nutrititional & metabolic procedures  
420 Diabetes  
421 Nutritional & misc metabolic disorders  
422 Hypovolemia & electrolyte disorders  
423 Inborn errors of metabolism  
424 Other endocrine disorders  
440 Kidney transplant  
441 Major bladder procedures  
442 Kidney & urinary tract procedures for malignancy  
443 Kidney & urinary tract procedures for nonmalignancy  
444 Create, revise, remove renal access device  
445 Minor bladder procedures  
446 Urethral & transurethral procedures  
447 Other kidney & urinary tract procedures  
460 Renal failure  
461 Kidney & urinary tract malignancy  
462 Nephritis  
463 Kidney & urinary tract infections  
464 Urinary stones w esw lithotripsy  
465 Urinary stones w/o esw lithotripsy  
466 Malfunctions,reactions & comp of gu device,graft or transplant  
467 Kidney & urinary tract signs & symptoms  
468 Other kidney & urinary tract diagnoses  
480 Major male pelvic procedures  
481 Penis procedures  
482 Transurethral prostatectomy  
483 Testes procedures  
484 Other male reproductive system procedures  
500 Malignancy, male reproductive system  
501 Male reproductive system diagnoses except malignancy  
510 Pelvic evisceration, radical hysterectomy & radical vulvectomy  
511 Uterine & adnexa procedures for ovarian & adnexal malignancy  
512 Uterine & adnexa procedures for non-ovarian & non-adnexal malig  
513 Uterine & adnexa procedures for ca in situ & nonmalignancy

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

514 Female reproductive system reconstructive procedures  
515 Vagina, cervix & vulva procedures  
516 Laparoscopy & tubal interruption  
517 D&C & conization  
518 Other female reproductive system procedures  
530 Female reproductive system malignancy  
531 Female reproductive system infections  
532 Menstrual & other female reproductive system disorders  
540 Cesarean delivery  
541 Vaginal delivery w sterilization &/or D&C  
542 Vaginal delivery w proc except sterilization &/or D&C  
543 Postpartum & post abortion diagnoses w procedure  
544 Abortion w D&C, aspiration curettage or hysterotomy  
560 Vaginal delivery  
561 Postpartum & post abortion diagnoses w/o procedure  
562 Ectopic pregnancy  
563 Threatened abortion  
564 Abortion w/o D&C, aspiration curettage or hysterotomy  
565 False labor  
566 Other antepartum diagnoses  
580 Neonate, transferred <5 days old, not born here  
581 Neonate, transferred <5 days old, born here  
582 Neonate, w organ transplant  
583 Neonate, w ecmo  
590 Neonate, birthwt <750g w major procedure  
591 Neonate, birthwt <750g w/o major procedure  
592 Neonate, birthwt 750g-999g w major procedure  
593 Neonate, birthwt 750g-999g w/o major procedure  
600 Neonate, birthwt 1000-1499g w major procedure  
601 Neonate, birthwt 1000-1499g w major anom or hereditary condition  
602 Neonate, birthwt 1000-1499g w respiratory distress syndrome  
603 Other neonate, birthwt 1000-1499g  
610 Neonate, birthwt 1500-2000g w major procedure  
611 Neonate, birthwt 1500-2000g w major anom or hereditary condition  
612 Neonate, birthwt 1500-2000g w respiratory distress syndrome  
613 Neonate, birthwt 1500-2000g w congenital or perinatal infections  
614 Other neonate, birthwt 1500-2000g  
620 Neonate, birthwt 2000-2499g w major procedure  
621 Neonate, birthwt 2000-2499g w major anom or hereditary condition  
622 Neonate, birthwt 2000-2499g w respiratory distress syndrome  
623 Neonate, birthwt 2000-2499g w congenital or perinatal infections  
624 Neonate, bwt 2000-2499g not born here  
625 Neonate, birthwt 2000-2499g, born here, w other signif condtn

**All Patient Refined Diagnosis Related Group (APR-DRG)  
Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

626 Neonate, bwt 2000-2499g, born here, normal NB & NB w other prob  
630 Neonate, birthwt >2499g w major cardiovasc procedure  
631 Neonate, birthwt >2499g w other major procedure  
632 Neonate, birthwt >2499g w other procedure  
633 Neonate, birthwt >2499g w major anomaly or hereditary condition  
634 Neonate, birthwt >2499g w respiratory distress syndrome  
635 Neonate, birthwt >2499g w aspiration syndrome  
636 Neonate, birthwt >2499g w congenital/perinatal infections  
637 Neonate, bwt >2499g not born here, pdx other signif condition  
638 Neonate, birthwt >2499g, not born here, pdx other problem  
639 Neonate, birthwt >2499g, born here, w other signif condition  
640 Neonate, bwt >2499g, born here, normal NB & NB w other prob  
650 Splenectomy  
651 Other procedures of blood & blood forming organs  
660 Agranulocytosis & other neutropenia  
661 Coagulation disorders  
662 Sick cell anemia crisis  
663 Red blood cell disorders except sickle cell anemia crisis  
664 Other disorders of blood & blood forming organs  
680 Lymphoma & leukemia w major procedure  
681 Lymphoma & leukemia w any other procedure  
682 Myeloprolif disorder & poorly diff neopl w major procedure  
683 Myeloprolif disorder & poorly diff neopl w any other procedure  
690 Acute leukemia  
691 Lymphoma & non-acute leukemia  
692 Radiotherapy  
693 Chemotherapy  
694 Other myeloprolif disorders & poorly diff neoplasm diagnosis  
710 Procedures for infectious & parasitic diseases  
711 Procedures for postoperative & post traumatic infections  
720 Septicemia  
721 Postoperative & post-traumatic infections  
722 Fever of unknown origin  
723 Viral illness  
724 Other infectious & parasitic diseases  
740 Procedure w principal diagnoses of mental illness  
750 Schizophrenia  
751 Psychoses  
752 Disorders of personality & impulse control  
753 Bipolar disorders  
754 Depression  
755 Neuroses except depressive  
756 Acute adjust react & disturbance of psychosocial dysfunction

**All Patient Refined Diagnosis Related Group (APR-DRG)**  
**Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

757 Organic disturbances & mental retardation  
758 Childhood mental disorders  
759 Compulsive nutrition disorders  
760 Other mental disorders  
770 Drug & alcohol abuse or dependence, left against medical advice  
771 Alcohol & drug dependence w combined rehab & detox therapy  
772 Alcohol & drug dependence w rehabilitation therapy  
773 Opioid abuse & dependence  
774 Cocaine abuse & dependence  
775 Alcohol abuse & dependence  
776 Other drug abuse & dependence  
790 Skin graft & wound debridement for injuries  
791 Procedures for complications of treatment  
792 Other procedures for injuries  
810 Injuries to unspecified or multiple sites  
811 Allergic reactions  
812 Poisoning & toxic effects of drugs  
813 Complications of treatment  
814 Child or adult maltreatment syndrome  
815 Other injury, poisoning & toxic effect diagnoses  
830 Burns, transferred to another acute care facility  
831 Extensive burns w procedure  
832 Nonextensive burns w skin graft  
833 Nonextensive burns w wound debridement & other procedures  
840 Burns w/o procedure  
850 Procedure w diagnoses of other contact w health services  
860 Rehabilitation  
861 Signs & symptoms  
862 Other factors influencing health status  
870 Tracheostomy for hiv infections  
871 Hiv w proc w multiple major hiv related infections  
872 Hiv w procedure w major hiv related diagnosis  
873 Hiv w procedure w/o major hiv related diagnosis  
890 Hiv w multiple major hiv related infections  
891 Hiv w maj hiv rel diag w mult maj or signif hiv rel diag  
892 Hiv w maj hiv rel diag w/o mult maj or signif hiv rel diag  
893 Hiv w significant hiv related diagnosis  
894 Hiv w/o major or significant hiv related diagnosis  
910 Craniotomy, spine, hip & major limb proc for multiple sig trauma  
911 Other procedures for multiple significant trauma  
930 Head, chest & lower limb diagnoses of multiple significant trauma  
931 Other diagnoses of multiple significant trauma  
950 Extensive procedure unrelated to principal diagnosis

**All Patient Refined Diagnosis Related Group (APR-DRG)**  
**Version 15.0 (2<sup>nd</sup> quarter 1998 through 2004)**

951 Prostatic procedure unrelated to principal diagnosis  
952 Nonextensive procedure unrelated to principal diagnosis  
955 Principal diagnosis invalid as discharge diagnosis  
956 Ungroupable



**Medicare Severity-Diagnosis Related Group (MS-DRG)  
Version 25.0 (4<sup>th</sup> quarter 2007)**

001	Heart transplant or implant of heart assist system w MCC
002	Heart transplant or implant of heart assist system w/o MCC
003	"ECMO or trach w MV 96+ hrs or PDX exc face, mouth & neck w maj O.R."
004	"Trach w MV 96+ hrs or PDX exc face, mouth & neck w/o maj O.R."
005	Liver transplant w MCC or intestinal transplant
006	Liver transplant w/o MCC
007	Lung transplant
008	Simultaneous pancreas/kidney transplant
009	Bone marrow transplant
010	Pancreas transplant
011	"Tracheostomy for face,mouth & neck diagnoses w MCC"
012	"Tracheostomy for face,mouth & neck diagnoses w CC"
013	"Tracheostomy for face,mouth & neck diagnoses w/o CC/MCC"
020	Intracranial vascular procedures w PDX hemorrhage w MCC
021	Intracranial vascular procedures w PDX hemorrhage w CC
022	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC
023	Cranio w major dev impl/acute complex CNS PDX w MCC or chemo implant
024	Cranio w major dev impl/acute complex CNS PDX w/o MCC
025	Craniotomy & endovascular intracranial procedures w MCC
026	Craniotomy & endovascular intracranial procedures w CC
027	Craniotomy & endovascular intracranial procedures w/o CC/MCC
028	Spinal procedures w MCC
029	Spinal procedures w CC or spinal neurostimulators
030	Spinal procedures w/o CC/MCC
031	Ventricular shunt procedures w MCC
032	Ventricular shunt procedures w CC
033	Ventricular shunt procedures w/o CC/MCC
034	Carotid artery stent procedure w MCC
035	Carotid artery stent procedure w CC
036	Carotid artery stent procedure w/o CC/MCC
037	Extracranial procedures w MCC
038	Extracranial procedures w CC
039	Extracranial procedures w/o CC/MCC
040	Periph/cranial nerve & other nerv syst proc w MCC
041	Periph/cranial nerve & other nerv syst proc w CC or periph neurostim
042	Periph/cranial nerve & other nerv syst proc w/o CC/MCC
052	Spinal disorders & injuries w CC/MCC
053	Spinal disorders & injuries w/o CC/MCC
054	Nervous system neoplasms w MCC
055	Nervous system neoplasms w/o MCC
056	Degenerative nervous system disorders w MCC
057	Degenerative nervous system disorders w/o MCC
058	Multiple sclerosis & cerebellar ataxia w MCC
059	Multiple sclerosis & cerebellar ataxia w CC

**Medicare Severity-Diagnosis Related Group (MS-DRG)**  
**Version 25.0 (4<sup>th</sup> quarter 2007)**

060	Multiple sclerosis & cerebellar ataxia w/o CC/MCC
061	Acute ischemic stroke w use of thrombolytic agent w MCC
062	Acute ischemic stroke w use of thrombolytic agent w CC
063	Acute ischemic stroke w use of thrombolytic agent w/o CC/MCC
064	Intracranial hemorrhage or cerebral infarction w MCC
065	Intracranial hemorrhage or cerebral infarction w CC
066	Intracranial hemorrhage or cerebral infarction w/o CC/MCC
067	Nonspecific CVA & precerebral occlusion w/o infarct w MCC
068	Nonspecific CVA & precerebral occlusion w/o infarct w/o MCC
069	Transient ischemia
070	Nonspecific cerebrovascular disorders w MCC
071	Nonspecific cerebrovascular disorders w CC
072	Nonspecific cerebrovascular disorders w/o CC/MCC
073	Cranial & peripheral nerve disorders w MCC
074	Cranial & peripheral nerve disorders w/o MCC
075	Viral meningitis w CC/MCC
076	Viral meningitis w/o CC/MCC
077	Hypertensive encephalopathy w MCC
078	Hypertensive encephalopathy w CC
079	Hypertensive encephalopathy w/o CC/MCC
080	Nontraumatic stupor & coma w MCC
081	Nontraumatic stupor & coma w/o MCC
082	"Traumatic stupor & coma, coma >1 hr w MCC"
083	"Traumatic stupor & coma, coma >1 hr w CC"
084	"Traumatic stupor & coma, coma >1 hr w/o CC/MCC"
085	"Traumatic stupor & coma, coma <1 hr w MCC"
086	"Traumatic stupor & coma, coma <1 hr w CC"
087	"Traumatic stupor & coma, coma <1 hr w/o CC/MCC"
088	Concussion w MCC
089	Concussion w CC
090	Concussion w/o CC/MCC
091	Other disorders of nervous system w MCC
092	Other disorders of nervous system w CC
093	Other disorders of nervous system w/o CC/MCC
094	Bacterial & tuberculous infections of nervous system w MCC
095	Bacterial & tuberculous infections of nervous system w CC
096	Bacterial & tuberculous infections of nervous system w/o CC/MCC
097	Non-bacterial infect of nervous sys exc viral meningitis w MCC
098	Non-bacterial infect of nervous sys exc viral meningitis w CC
099	Non-bacterial infect of nervous sys exc viral meningitis w/o CC/MCC
100	Seizures w MCC
101	Seizures w/o MCC
102	Headaches w MCC
103	Headaches w/o MCC

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113	Orbital procedures w CC/MCC
114	Orbital procedures w/o CC/MCC
115	Extraocular procedures except orbit
116	Intraocular procedures w CC/MCC
117	Intraocular procedures w/o CC/MCC
121	Acute major eye infections w CC/MCC
122	Acute major eye infections w/o CC/MCC
123	Neurological eye disorders
124	Other disorders of the eye w MCC
125	Other disorders of the eye w/o MCC
129	Major head & neck procedures w CC/MCC or major device
130	Major head & neck procedures w/o CC/MCC
131	Cranial/facial procedures w CC/MCC
132	Cranial/facial procedures w/o CC/MCC
133	"Other ear, nose, mouth & throat O.R. procedures w CC/MCC"
134	"Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC"
135	Sinus & mastoid procedures w CC/MCC
136	Sinus & mastoid procedures w/o CC/MCC
137	Mouth procedures w CC/MCC
138	Mouth procedures w/o CC/MCC
139	Salivary gland procedures
146	"Ear, nose, mouth & throat malignancy w MCC"
147	"Ear, nose, mouth & throat malignancy w CC"
148	"Ear, nose, mouth & throat malignancy w/o CC/MCC"
149	Dysequilibrium
150	Epistaxis w MCC
151	Epistaxis w/o MCC
152	Otitis media & URI w MCC
153	Otitis media & URI w/o MCC
154	"Other ear, nose, mouth & throat diagnoses w MCC"
155	"Other ear, nose, mouth & throat diagnoses w CC"
156	"Other ear, nose, mouth & throat diagnoses w/o CC/MCC"
157	Dental & oral diseases w MCC
158	Dental & oral diseases w CC
159	Dental & oral diseases w/o CC/MCC
163	Major chest procedures w MCC
164	Major chest procedures w CC
165	Major chest procedures w/o CC/MCC
166	Other resp system O.R. procedures w MCC
167	Other resp system O.R. procedures w CC
168	Other resp system O.R. procedures w/o CC/MCC
175	Pulmonary embolism w MCC
176	Pulmonary embolism w/o MCC
177	Respiratory infections & inflammations w MCC

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178	Respiratory infections & inflammations w CC
179	Respiratory infections & inflammations w/o CC/MCC
180	Respiratory neoplasms w MCC
181	Respiratory neoplasms w CC
182	Respiratory neoplasms w/o CC/MCC
183	Major chest trauma w MCC
184	Major chest trauma w CC
185	Major chest trauma w/o CC/MCC
186	Pleural effusion w MCC
187	Pleural effusion w CC
188	Pleural effusion w/o CC/MCC
189	Pulmonary edema & respiratory failure
190	Chronic obstructive pulmonary disease w MCC
191	Chronic obstructive pulmonary disease w CC
192	Chronic obstructive pulmonary disease w/o CC/MCC
193	Simple pneumonia & pleurisy w MCC
194	Simple pneumonia & pleurisy w CC
195	Simple pneumonia & pleurisy w/o CC/MCC
196	Interstitial lung disease w MCC
197	Interstitial lung disease w CC
198	Interstitial lung disease w/o CC/MCC
199	Pneumothorax w MCC
200	Pneumothorax w CC
201	Pneumothorax w/o CC/MCC
202	Bronchitis & asthma w CC/MCC
203	Bronchitis & asthma w/o CC/MCC
204	Respiratory signs & symptoms
205	Other respiratory system diagnoses w MCC
206	Other respiratory system diagnoses w/o MCC
207	Respiratory system diagnosis w ventilator support 96+ hours
208	Respiratory system diagnosis w ventilator support <96 hours
215	Other heart assist system implant
216	Cardiac valve & oth maj cardiothoracic proc w card cath w MCC
217	Cardiac valve & oth maj cardiothoracic proc w card cath w CC
218	Cardiac valve & oth maj cardiothoracic proc w card cath w/o CC/MCC
219	Cardiac valve & oth maj cardiothoracic proc w/o card cath w MCC
220	Cardiac valve & oth maj cardiothoracic proc w/o card cath w CC
221	Cardiac valve & oth maj cardiothoracic proc w/o card cath w/o CC/MCC
222	Cardiac defib implant w cardiac cath w AMI/HF/shock w MCC
223	Cardiac defib implant w cardiac cath w AMI/HF/shock w/o MCC
224	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w MCC
225	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w/o MCC
226	Cardiac defibrillator implant w/o cardiac cath w MCC
227	Cardiac defibrillator implant w/o cardiac cath w/o MCC

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228	Other cardiothoracic procedures w MCC
229	Other cardiothoracic procedures w CC
230	Other cardiothoracic procedures w/o CC/MCC
231	Coronary bypass w PTCA w MCC
232	Coronary bypass w PTCA w/o MCC
233	Coronary bypass w cardiac cath w MCC
234	Coronary bypass w cardiac cath w/o MCC
235	Coronary bypass w/o cardiac cath w MCC
236	Coronary bypass w/o cardiac cath w/o MCC
237	Major cardiovasc procedures w MCC or thoracic aortic aneurysm repair
238	Major cardiovasc procedures w/o MCC
239	Amputation for circ sys disorders exc upper limb & toe w MCC
240	Amputation for circ sys disorders exc upper limb & toe w CC
241	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC
242	Permanent cardiac pacemaker implant w MCC
243	Permanent cardiac pacemaker implant w CC
244	Permanent cardiac pacemaker implant w/o CC/MCC
245	AICD generator procedures
246	Perc cardiovasc proc w drug-eluting stent w MCC or 4+ vessels/stents
247	Perc cardiovasc proc w drug-eluting stent w/o MCC
248	Perc cardiovasc proc w non-drug-eluting stent w MCC or 4+ ves/stents
249	Perc cardiovasc proc w non-drug-eluting stent w/o MCC
250	Perc cardiovasc proc w/o coronary artery stent w MCC
251	Perc cardiovasc proc w/o coronary artery stent w/o MCC
252	Other vascular procedures w MCC
253	Other vascular procedures w CC
254	Other vascular procedures w/o CC/MCC
255	Upper limb & toe amputation for circ system disorders w MCC
256	Upper limb & toe amputation for circ system disorders w CC
257	Upper limb & toe amputation for circ system disorders w/o CC/MCC
258	Cardiac pacemaker device replacement w MCC
259	Cardiac pacemaker device replacement w/o MCC
260	Cardiac pacemaker revision except device replacement w MCC
261	Cardiac pacemaker revision except device replacement w CC
262	Cardiac pacemaker revision except device replacement w/o CC/MCC
263	Vein ligation & stripping
264	Other circulatory system O.R. procedures
265	AICD lead procedures
280	"Acute myocardial infarction, discharged alive w MCC"
281	"Acute myocardial infarction, discharged alive w CC"
282	"Acute myocardial infarction, discharged alive w/o CC/MCC"
283	"Acute myocardial infarction, expired w MCC"
284	"Acute myocardial infarction, expired w CC"
285	"Acute myocardial infarction, expired w/o CC/MCC"

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286	"Circulatory disorders except AMI, w card cath w MCC"
287	"Circulatory disorders except AMI, w card cath w/o MCC"
288	Acute & subacute endocarditis w MCC
289	Acute & subacute endocarditis w CC
290	Acute & subacute endocarditis w/o CC/MCC
291	Heart failure & shock w MCC
292	Heart failure & shock w CC
293	Heart failure & shock w/o CC/MCC
294	Deep vein thrombophlebitis w CC/MCC
295	Deep vein thrombophlebitis w/o CC/MCC
296	"Cardiac arrest, unexplained w MCC"
297	"Cardiac arrest, unexplained w CC"
298	"Cardiac arrest, unexplained w/o CC/MCC"
299	Peripheral vascular disorders w MCC
300	Peripheral vascular disorders w CC
301	Peripheral vascular disorders w/o CC/MCC
302	Atherosclerosis w MCC
303	Atherosclerosis w/o MCC
304	Hypertension w MCC
305	Hypertension w/o MCC
306	Cardiac congenital & valvular disorders w MCC
307	Cardiac congenital & valvular disorders w/o MCC
308	Cardiac arrhythmia & conduction disorders w MCC
309	Cardiac arrhythmia & conduction disorders w CC
310	Cardiac arrhythmia & conduction disorders w/o CC/MCC
311	Angina pectoris
312	Syncope & collapse
313	Chest pain
314	Other circulatory system diagnoses w MCC
315	Other circulatory system diagnoses w CC
316	Other circulatory system diagnoses w/o CC/MCC
326	"Stomach, esophageal & duodenal proc w MCC"
327	"Stomach, esophageal & duodenal proc w CC"
328	"Stomach, esophageal & duodenal proc w/o CC/MCC"
329	Major small & large bowel procedures w MCC
330	Major small & large bowel procedures w CC
331	Major small & large bowel procedures w/o CC/MCC
332	Rectal resection w MCC
333	Rectal resection w CC
334	Rectal resection w/o CC/MCC
335	Peritoneal adhesiolysis w MCC
336	Peritoneal adhesiolysis w CC
337	Peritoneal adhesiolysis w/o CC/MCC
338	Appendectomy w complicated principal diag w MCC

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339	Appendectomy w complicated principal diag w CC
340	Appendectomy w complicated principal diag w/o CC/MCC
341	Appendectomy w/o complicated principal diag w MCC
342	Appendectomy w/o complicated principal diag w CC
343	Appendectomy w/o complicated principal diag w/o CC/MCC
344	Minor small & large bowel procedures w MCC
345	Minor small & large bowel procedures w CC
346	Minor small & large bowel procedures w/o CC/MCC
347	Anal & stomal procedures w MCC
348	Anal & stomal procedures w CC
349	Anal & stomal procedures w/o CC/MCC
350	Inguinal & femoral hernia procedures w MCC
351	Inguinal & femoral hernia procedures w CC
352	Inguinal & femoral hernia procedures w/o CC/MCC
353	Hernia procedures except inguinal & femoral w MCC
354	Hernia procedures except inguinal & femoral w CC
355	Hernia procedures except inguinal & femoral w/o CC/MCC
356	Other digestive system O.R. procedures w MCC
357	Other digestive system O.R. procedures w CC
358	Other digestive system O.R. procedures w/o CC/MCC
368	Major esophageal disorders w MCC
369	Major esophageal disorders w CC
370	Major esophageal disorders w/o CC/MCC
371	Major gastrointestinal disorders & peritoneal infections w MCC
372	Major gastrointestinal disorders & peritoneal infections w CC
373	Major gastrointestinal disorders & peritoneal infections w/o CC/MCC
374	Digestive malignancy w MCC
375	Digestive malignancy w CC
376	Digestive malignancy w/o CC/MCC
377	G.I. hemorrhage w MCC
378	G.I. hemorrhage w CC
379	G.I. hemorrhage w/o CC/MCC
380	Complicated peptic ulcer w MCC
381	Complicated peptic ulcer w CC
382	Complicated peptic ulcer w/o CC/MCC
383	Uncomplicated peptic ulcer w MCC
384	Uncomplicated peptic ulcer w/o MCC
385	Inflammatory bowel disease w MCC
386	Inflammatory bowel disease w CC
387	Inflammatory bowel disease w/o CC/MCC
388	G.I. obstruction w MCC
389	G.I. obstruction w CC
390	G.I. obstruction w/o CC/MCC
391	"Esophagitis, gastroent & misc digest disorders w MCC"

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392	"Esophagitis, gastroent & misc digest disorders w/o MCC"
393	Other digestive system diagnoses w MCC
394	Other digestive system diagnoses w CC
395	Other digestive system diagnoses w/o CC/MCC
405	"Pancreas, liver & shunt procedures w MCC"
406	"Pancreas, liver & shunt procedures w CC"
407	"Pancreas, liver & shunt procedures w/o CC/MCC"
408	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC
409	Biliary tract proc except only cholecyst w or w/o c.d.e. w CC
410	Biliary tract proc except only cholecyst w or w/o c.d.e. w/o CC/MCC
411	Cholecystectomy w c.d.e. w MCC
412	Cholecystectomy w c.d.e. w CC
413	Cholecystectomy w c.d.e. w/o CC/MCC
414	Cholecystectomy except by laparoscope w/o c.d.e. w MCC
415	Cholecystectomy except by laparoscope w/o c.d.e. w CC
416	Cholecystectomy except by laparoscope w/o c.d.e. w/o CC/MCC
417	Laparoscopic cholecystectomy w/o c.d.e. w MCC
418	Laparoscopic cholecystectomy w/o c.d.e. w CC
419	Laparoscopic cholecystectomy w/o c.d.e. w/o CC/MCC
420	Hepatobiliary diagnostic procedures w MCC
421	Hepatobiliary diagnostic procedures w CC
422	Hepatobiliary diagnostic procedures w/o CC/MCC
423	Other hepatobiliary or pancreas O.R. procedures w MCC
424	Other hepatobiliary or pancreas O.R. procedures w CC
425	Other hepatobiliary or pancreas O.R. procedures w/o CC/MCC
432	Cirrhosis & alcoholic hepatitis w MCC
433	Cirrhosis & alcoholic hepatitis w CC
434	Cirrhosis & alcoholic hepatitis w/o CC/MCC
435	Malignancy of hepatobiliary system or pancreas w MCC
436	Malignancy of hepatobiliary system or pancreas w CC
437	Malignancy of hepatobiliary system or pancreas w/o CC/MCC
438	Disorders of pancreas except malignancy w MCC
439	Disorders of pancreas except malignancy w CC
440	Disorders of pancreas except malignancy w/o CC/MCC
441	"Disorders of liver except malig,cirr,alc hepa w MCC"
442	"Disorders of liver except malig,cirr,alc hepa w CC"
443	"Disorders of liver except malig,cirr,alc hepa w/o CC/MCC"
444	Disorders of the biliary tract w MCC
445	Disorders of the biliary tract w CC
446	Disorders of the biliary tract w/o CC/MCC
453	Combined anterior/posterior spinal fusion w MCC
454	Combined anterior/posterior spinal fusion w CC
455	Combined anterior/posterior spinal fusion w/o CC/MCC
456	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w MCC



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457	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w CC
458	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w/o CC/MCC
459	Spinal fusion except cervical w MCC
460	Spinal fusion except cervical w/o MCC
461	Bilateral or multiple major joint procs of lower extremity w MCC
462	Bilateral or multiple major joint procs of lower extremity w/o MCC
463	"Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC"
464	"Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC"
465	"Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC"
466	Revision of hip or knee replacement w MCC
467	Revision of hip or knee replacement w CC
468	Revision of hip or knee replacement w/o CC/MCC
469	Major joint replacement or reattachment of lower extremity w MCC
470	Major joint replacement or reattachment of lower extremity w/o MCC
471	Cervical spinal fusion w MCC
472	Cervical spinal fusion w CC
473	Cervical spinal fusion w/o CC/MCC
474	Amputation for musculoskeletal sys & conn tissue dis w MCC
475	Amputation for musculoskeletal sys & conn tissue dis w CC
476	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC
477	Biopsies of musculoskeletal system & connective tissue w MCC
478	Biopsies of musculoskeletal system & connective tissue w CC
479	Biopsies of musculoskeletal system & connective tissue w/o CC/MCC
480	Hip & femur procedures except major joint w MCC
481	Hip & femur procedures except major joint w CC
482	Hip & femur procedures except major joint w/o CC/MCC
483	Major joint & limb reattachment proc of upper extremity w CC/MCC
484	Major joint & limb reattachment proc of upper extremity w/o CC/MCC
485	Knee procedures w pdx of infection w MCC
486	Knee procedures w pdx of infection w CC
487	Knee procedures w pdx of infection w/o CC/MCC
488	Knee procedures w/o pdx of infection w CC/MCC
489	Knee procedures w/o pdx of infection w/o CC/MCC
490	Back & neck proc exc spinal fusion w CC/MCC or disc device/neurostim
491	Back & neck proc exc spinal fusion w/o CC/MCC
492	"Lower extrem & humer proc except hip,foot,femur w MCC"
493	"Lower extrem & humer proc except hip,foot,femur w CC"
494	"Lower extrem & humer proc except hip,foot,femur w/o CC/MCC"
495	Local excision & removal int fix devices exc hip & femur w MCC
496	Local excision & removal int fix devices exc hip & femur w CC
497	Local excision & removal int fix devices exc hip & femur w/o CC/MCC
498	Local excision & removal int fix devices of hip & femur w CC/MCC
499	Local excision & removal int fix devices of hip & femur w/o CC/MCC
500	Soft tissue procedures w MCC

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501	Soft tissue procedures w CC
502	Soft tissue procedures w/o CC/MCC
503	Foot procedures w MCC
504	Foot procedures w CC
505	Foot procedures w/o CC/MCC
506	Major thumb or joint procedures
507	Major shoulder or elbow joint procedures w CC/MCC
508	Major shoulder or elbow joint procedures w/o CC/MCC
509	Arthroscopy
510	"Shoulder,elbow or forearm proc,exc major joint proc w MCC"
511	"Shoulder,elbow or forearm proc,exc major joint proc w CC"
512	"Shoulder,elbow or forearm proc,exc major joint proc w/o CC/MCC"
513	"Hand or wrist proc, except major thumb or joint proc w CC/MCC"
514	"Hand or wrist proc, except major thumb or joint proc w/o CC/MCC"
515	Other musculoskelet sys & conn tiss O.R. proc w MCC
516	Other musculoskelet sys & conn tiss O.R. proc w CC
517	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC
533	Fractures of femur w MCC
534	Fractures of femur w/o MCC
535	Fractures of hip & pelvis w MCC
536	Fractures of hip & pelvis w/o MCC
537	"Sprains, strains, & dislocations of hip, pelvis & thigh w CC/MCC"
538	"Sprains, strains, & dislocations of hip, pelvis & thigh w/o CC/MCC"
539	Osteomyelitis w MCC
540	Osteomyelitis w CC
541	Osteomyelitis w/o CC/MCC
542	Pathological fractures & musculoskelet & conn tiss malig w MCC
543	Pathological fractures & musculoskelet & conn tiss malig w CC
544	Pathological fractures & musculoskelet & conn tiss malig w/o CC/MCC
545	Connective tissue disorders w MCC
546	Connective tissue disorders w CC
547	Connective tissue disorders w/o CC/MCC
548	Septic arthritis w MCC
549	Septic arthritis w CC
550	Septic arthritis w/o CC/MCC
551	Medical back problems w MCC
552	Medical back problems w/o MCC
553	Bone diseases & arthropathies w MCC
554	Bone diseases & arthropathies w/o MCC
555	Signs & symptoms of musculoskeletal system & conn tissue w MCC
556	Signs & symptoms of musculoskeletal system & conn tissue w/o MCC
557	"Tendonitis, myositis & bursitis w MCC"
558	"Tendonitis, myositis & bursitis w/o MCC"
559	"Aftercare, musculoskeletal system & connective tissue w MCC"

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560	"Aftercare, musculoskeletal system & connective tissue w CC"
561	"Aftercare, musculoskeletal system & connective tissue w/o CC/MCC"
562	"Fx, sprn, strn & disl except femur, hip, pelvis & thigh w MCC"
563	"Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC"
564	Other musculoskeletal sys & connective tissue diagnoses w MCC
565	Other musculoskeletal sys & connective tissue diagnoses w CC
566	Other musculoskeletal sys & connective tissue diagnoses w/o CC/MCC
573	Skin graft &/or debrid for skn ulcer or cellulitis w MCC
574	Skin graft &/or debrid for skn ulcer or cellulitis w CC
575	Skin graft &/or debrid for skn ulcer or cellulitis w/o CC/MCC
576	Skin graft &/or debrid exc for skin ulcer or cellulitis w MCC
577	Skin graft &/or debrid exc for skin ulcer or cellulitis w CC
578	Skin graft &/or debrid exc for skin ulcer or cellulitis w/o CC/MCC
579	"Other skin, subcut tiss & breast proc w MCC"
580	"Other skin, subcut tiss & breast proc w CC"
581	"Other skin, subcut tiss & breast proc w/o CC/MCC"
582	Mastectomy for malignancy w CC/MCC
583	Mastectomy for malignancy w/o CC/MCC
584	"Breast biopsy, local excision & other breast procedures w CC/MCC"
585	"Breast biopsy, local excision & other breast procedures w/o CC/MCC"
592	Skin ulcers w MCC
593	Skin ulcers w CC
594	Skin ulcers w/o CC/MCC
595	Major skin disorders w MCC
596	Major skin disorders w/o MCC
597	Malignant breast disorders w MCC
598	Malignant breast disorders w CC
599	Malignant breast disorders w/o CC/MCC
600	Non-malignant breast disorders w CC/MCC
601	Non-malignant breast disorders w/o CC/MCC
602	Cellulitis w MCC
603	Cellulitis w/o MCC
604	"Trauma to the skin, subcut tiss & breast w MCC"
605	"Trauma to the skin, subcut tiss & breast w/o MCC"
606	Minor skin disorders w MCC
607	Minor skin disorders w/o MCC
614	Adrenal & pituitary procedures w CC/MCC
615	Adrenal & pituitary procedures w/o CC/MCC
616	"Amputat of lower limb for endocrine,nutrit,& metabol dis w MCC"
617	"Amputat of lower limb for endocrine,nutrit,& metabol dis w CC"
618	"Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC"
619	O.R. procedures for obesity w MCC
620	O.R. procedures for obesity w CC
621	O.R. procedures for obesity w/o CC/MCC

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622	"Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC"
623	"Skin grafts & wound debrid for endoc, nutrit & metab dis w CC"
624	"Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC"
625	"Thyroid, parathyroid & thyroglossal procedures w MCC"
626	"Thyroid, parathyroid & thyroglossal procedures w CC"
627	"Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC"
628	"Other endocrine, nutrit & metab O.R. proc w MCC"
629	"Other endocrine, nutrit & metab O.R. proc w CC"
630	"Other endocrine, nutrit & metab O.R. proc w/o CC/MCC"
637	Diabetes w MCC
638	Diabetes w CC
639	Diabetes w/o CC/MCC
640	Nutritional & misc metabolic disorders w MCC
641	Nutritional & misc metabolic disorders w/o MCC
642	Inborn errors of metabolism
643	Endocrine disorders w MCC
644	Endocrine disorders w CC
645	Endocrine disorders w/o CC/MCC
652	Kidney transplant
653	Major bladder procedures w MCC
654	Major bladder procedures w CC
655	Major bladder procedures w/o CC/MCC
656	Kidney & ureter procedures for neoplasm w MCC
657	Kidney & ureter procedures for neoplasm w CC
658	Kidney & ureter procedures for neoplasm w/o CC/MCC
659	Kidney & ureter procedures for non-neoplasm w MCC
660	Kidney & ureter procedures for non-neoplasm w CC
661	Kidney & ureter procedures for non-neoplasm w/o CC/MCC
662	Minor bladder procedures w MCC
663	Minor bladder procedures w CC
664	Minor bladder procedures w/o CC/MCC
665	Prostatectomy w MCC
666	Prostatectomy w CC
667	Prostatectomy w/o CC/MCC
668	Transurethral procedures w MCC
669	Transurethral procedures w CC
670	Transurethral procedures w/o CC/MCC
671	Urethral procedures w CC/MCC
672	Urethral procedures w/o CC/MCC
673	Other kidney & urinary tract procedures w MCC
674	Other kidney & urinary tract procedures w CC
675	Other kidney & urinary tract procedures w/o CC/MCC
682	Renal failure w MCC
683	Renal failure w CC

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684	Renal failure w/o CC/MCC
685	Admit for renal dialysis
686	Kidney & urinary tract neoplasms w MCC
687	Kidney & urinary tract neoplasms w CC
688	Kidney & urinary tract neoplasms w/o CC/MCC
689	Kidney & urinary tract infections w MCC
690	Kidney & urinary tract infections w/o MCC
691	Urinary stones w esw lithotripsy w CC/MCC
692	Urinary stones w esw lithotripsy w/o CC/MCC
693	Urinary stones w/o esw lithotripsy w MCC
694	Urinary stones w/o esw lithotripsy w/o MCC
695	Kidney & urinary tract signs & symptoms w MCC
696	Kidney & urinary tract signs & symptoms w/o MCC
697	Urethral stricture
698	Other kidney & urinary tract diagnoses w MCC
699	Other kidney & urinary tract diagnoses w CC
700	Other kidney & urinary tract diagnoses w/o CC/MCC
707	Major male pelvic procedures w CC/MCC
708	Major male pelvic procedures w/o CC/MCC
709	Penis procedures w CC/MCC
710	Penis procedures w/o CC/MCC
711	Testes procedures w CC/MCC
712	Testes procedures w/o CC/MCC
713	Transurethral prostatectomy w CC/MCC
714	Transurethral prostatectomy w/o CC/MCC
715	Other male reproductive system O.R. proc for malignancy w CC/MCC
716	Other male reproductive system O.R. proc for malignancy w/o CC/MCC
717	Other male reproductive system O.R. proc exc malignancy w CC/MCC
718	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC
722	"Malignancy, male reproductive system w MCC"
723	"Malignancy, male reproductive system w CC"
724	"Malignancy, male reproductive system w/o CC/MCC"
725	Benign prostatic hypertrophy w MCC
726	Benign prostatic hypertrophy w/o MCC
727	Inflammation of the male reproductive system w MCC
728	Inflammation of the male reproductive system w/o MCC
729	Other male reproductive system diagnoses w CC/MCC
730	Other male reproductive system diagnoses w/o CC/MCC
734	"Pelvic evisceration, rad hysterectomy & rad vulvectomy w CC/MCC"
735	"Pelvic evisceration, rad hysterectomy & rad vulvectomy w/o CC/MCC"
736	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC
737	Uterine & adnexa proc for ovarian or adnexal malignancy w CC
738	Uterine & adnexa proc for ovarian or adnexal malignancy w/o CC/MCC
739	"Uterine,adnexa proc for non-ovarian/adnexal malig w MCC"

**Medicare Severity-Diagnosis Related Group (MS-DRG)  
Version 25.0 (4<sup>th</sup> quarter 2007)**

740	"Uterine,adnexa proc for non-ovarian/adnexal malig w CC"
741	"Uterine,adnexa proc for non-ovarian/adnexal malig w/o CC/MCC"
742	Uterine & adnexa proc for non-malignancy w CC/MCC
743	Uterine & adnexa proc for non-malignancy w/o CC/MCC
744	"D&C, conization, laparoscopy & tubal interruption w CC/MCC"
745	"D&C, conization, laparoscopy & tubal interruption w/o CC/MCC"
746	"Vagina, cervix & vulva procedures w CC/MCC"
747	"Vagina, cervix & vulva procedures w/o CC/MCC"
748	Female reproductive system reconstructive procedures
749	Other female reproductive system O.R. procedures w CC/MCC
750	Other female reproductive system O.R. procedures w/o CC/MCC
754	"Malignancy, female reproductive system w MCC"
755	"Malignancy, female reproductive system w CC"
756	"Malignancy, female reproductive system w/o CC/MCC"
757	"Infections, female reproductive system w MCC"
758	"Infections, female reproductive system w CC"
759	"Infections, female reproductive system w/o CC/MCC"
760	Menstrual & other female reproductive system disorders w CC/MCC
761	Menstrual & other female reproductive system disorders w/o CC/MCC
765	Cesarean section w CC/MCC
766	Cesarean section w/o CC/MCC
767	Vaginal delivery w sterilization &/or D&C
768	Vaginal delivery w O.R. proc except steril &/or D&C
769	Postpartum & post abortion diagnoses w O.R. procedure
770	"Abortion w D&C, aspiration curettage or hysterotomy"
774	Vaginal delivery w complicating diagnoses
775	Vaginal delivery w/o complicating diagnoses
776	Postpartum & post abortion diagnoses w/o O.R. procedure
777	Ectopic pregnancy
778	Threatened abortion
779	Abortion w/o D&C
780	False labor
781	Other antepartum diagnoses w medical complications
782	Other antepartum diagnoses w/o medical complications
789	"Neonates, died or transferred to another acute care facility"
790	"Extreme immaturity or respiratory distress syndrome, neonate"
791	Prematurity w major problems
792	Prematurity w/o major problems
793	Full term neonate w major problems
794	Neonate w other significant problems
795	Normal newborn
799	Splenectomy w MCC
800	Splenectomy w CC
801	Splenectomy w/o CC/MCC

**Medicare Severity-Diagnosis Related Group (MS-DRG)  
Version 25.0 (4<sup>th</sup> quarter 2007)**

802	Other O.R. proc of the blood & blood forming organs w MCC
803	Other O.R. proc of the blood & blood forming organs w CC
804	Other O.R. proc of the blood & blood forming organs w/o CC/MCC
808	Major hematomol/immun diag exc sickle cell crisis & coagul w MCC
809	Major hematomol/immun diag exc sickle cell crisis & coagul w CC
810	Major hematomol/immun diag exc sickle cell crisis & coagul w/o CC/MCC
811	Red blood cell disorders w MCC
812	Red blood cell disorders w/o MCC
813	Coagulation disorders
814	Reticuloendothelial & immunity disorders w MCC
815	Reticuloendothelial & immunity disorders w CC
816	Reticuloendothelial & immunity disorders w/o CC/MCC
820	Lymphoma & leukemia w major O.R. procedure w MCC
821	Lymphoma & leukemia w major O.R. procedure w CC
822	Lymphoma & leukemia w major O.R. procedure w/o CC/MCC
823	Lymphoma & non-acute leukemia w other O.R. proc w MCC
824	Lymphoma & non-acute leukemia w other O.R. proc w CC
825	Lymphoma & non-acute leukemia w other O.R. proc w/o CC/MCC
826	Myeloprolif disord or poorly diff neopl w maj O.R. proc w MCC
827	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC
828	Myeloprolif disord or poorly diff neopl w maj O.R. proc w/o CC/MCC
829	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC
830	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC
834	Acute leukemia w/o major O.R. procedure w MCC
835	Acute leukemia w/o major O.R. procedure w CC
836	Acute leukemia w/o major O.R. procedure w/o CC/MCC
837	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC
838	Chemo w acute leukemia as sdx w CC or high dose chemo agent
839	Chemo w acute leukemia as sdx w/o CC/MCC
840	Lymphoma & non-acute leukemia w MCC
841	Lymphoma & non-acute leukemia w CC
842	Lymphoma & non-acute leukemia w/o CC/MCC
843	Other myeloprolif dis or poorly diff neopl diag w MCC
844	Other myeloprolif dis or poorly diff neopl diag w CC
845	Other myeloprolif dis or poorly diff neopl diag w/o CC/MCC
846	Chemotherapy w/o acute leukemia as secondary diagnosis w MCC
847	Chemotherapy w/o acute leukemia as secondary diagnosis w CC
848	Chemotherapy w/o acute leukemia as secondary diagnosis w/o CC/MCC
849	Radiotherapy
853	Infectious & parasitic diseases w O.R. procedure w MCC
854	Infectious & parasitic diseases w O.R. procedure w CC
855	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC
856	Postoperative or post-traumatic infections w O.R. proc w MCC
857	Postoperative or post-traumatic infections w O.R. proc w CC

**Medicare Severity-Diagnosis Related Group (MS-DRG)**  
**Version 25.0 (4<sup>th</sup> quarter 2007)**

858	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC
862	Postoperative & post-traumatic infections w MCC
863	Postoperative & post-traumatic infections w/o MCC
864	Fever
865	Viral illness w MCC
866	Viral illness w/o MCC
867	Other infectious & parasitic diseases diagnoses w MCC
868	Other infectious & parasitic diseases diagnoses w CC
869	Other infectious & parasitic diseases diagnoses w/o CC/MCC
870	Septicemia or severe sepsis w MV 96+ hours
871	Septicemia or severe sepsis w/o MV 96+ hours w MCC
872	Septicemia or severe sepsis w/o MV 96+ hours w/o MCC
876	O.R. procedure w principal diagnoses of mental illness
880	Acute adjustment reaction & psychosocial dysfunction
881	Depressive neuroses
882	Neuroses except depressive
883	Disorders of personality & impulse control
884	Organic disturbances & mental retardation
885	Psychoses
886	Behavioral & developmental disorders
887	Other mental disorder diagnoses
894	"Alcohol/drug abuse or dependence, left AMA"
895	Alcohol/drug abuse or dependence w rehabilitation therapy
896	Alcohol/drug abuse or dependence w/o rehabilitation therapy w MCC
897	Alcohol/drug abuse or dependence w/o rehabilitation therapy w/o MCC
901	Wound debridements for injuries w MCC
902	Wound debridements for injuries w CC
903	Wound debridements for injuries w/o CC/MCC
904	Skin grafts for injuries w CC/MCC
905	Skin grafts for injuries w/o CC/MCC
906	Hand procedures for injuries
907	Other O.R. procedures for injuries w MCC
908	Other O.R. procedures for injuries w CC
909	Other O.R. procedures for injuries w/o CC/MCC
913	Traumatic injury w MCC
914	Traumatic injury w/o MCC
915	Allergic reactions w MCC
916	Allergic reactions w/o MCC
917	Poisoning & toxic effects of drugs w MCC
918	Poisoning & toxic effects of drugs w/o MCC
919	Complications of treatment w MCC
920	Complications of treatment w CC
921	Complications of treatment w/o CC/MCC
922	"Other injury, poisoning & toxic effect diag w MCC"



**Medicare Severity-Diagnosis Related Group (MS-DRG)  
Version 25.0 (4<sup>th</sup> quarter 2007)**

923	"Other injury, poisoning & toxic effect diag w/o MCC"
927	Extensive burns or full thickness burns w MV 96+ hrs w skin graft
928	Full thickness burn w skin graft or inhal inj w CC/MCC
929	Full thickness burn w skin graft or inhal inj w/o CC/MCC
933	Extensive burns or full thickness burns w MV 96+ hrs w/o skin graft
934	Full thickness burn w/o skin grft or inhal inj
935	Non-extensive burns
939	O.R. proc w diagnoses of other contact w health services w MCC
940	O.R. proc w diagnoses of other contact w health services w CC
941	O.R. proc w diagnoses of other contact w health services w/o CC/MCC
945	Rehabilitation w CC/MCC
946	Rehabilitation w/o CC/MCC
947	Signs & symptoms w MCC
948	Signs & symptoms w/o MCC
949	Aftercare w CC/MCC
950	Aftercare w/o CC/MCC
951	Other factors influencing health status
955	Craniotomy for multiple significant trauma
956	"Limb reattachment, hip & femur proc for multiple significant trauma"
957	Other O.R. procedures for multiple significant trauma w MCC
958	Other O.R. procedures for multiple significant trauma w CC
959	Other O.R. procedures for multiple significant trauma w/o CC/MCC
963	Other multiple significant trauma w MCC
964	Other multiple significant trauma w CC
965	Other multiple significant trauma w/o CC/MCC
969	HIV w extensive O.R. procedure w MCC
970	HIV w extensive O.R. procedure w/o MCC
974	HIV w major related condition w MCC
975	HIV w major related condition w CC
976	HIV w major related condition w/o CC/MCC
977	HIV w or w/o other related condition
981	Extensive O.R. procedure unrelated to principal diagnosis w MCC
982	Extensive O.R. procedure unrelated to principal diagnosis w CC
983	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC
984	Prostatic O.R. procedure unrelated to principal diagnosis w MCC
985	Prostatic O.R. procedure unrelated to principal diagnosis w CC
986	Prostatic O.R. procedure unrelated to principal diagnosis w/o CC/MCC
987	Non-extensive O.R. proc unrelated to principal diagnosis w MCC
988	Non-extensive O.R. proc unrelated to principal diagnosis w CC
989	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC
998	Principal diagnosis invalid as discharge diagnosis
999	Ungroupable

MS-DRGs 998 and 999 contain cases that could not be assigned to valid DRGs.

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## Medicare Severity-Major Diagnosis Category (MS-MDC) \*

- 0 = Ungroupable
- 1 = Nervous System
- 2 = Eye
- 3 = Ear, Nose, Mouth & Throat
- 4 = Respiratory System
- 5 = Circulatory System
- 6 = Digestive System
- 7 = Hepatobiliary System & Pancreas
- 8 = Musculoskeletal System & Connective Tissue
- 9 = Skin, Subcutaneous Tissue & Breast
- 10 = Endocrine, Nutritional & Metabolic System
- 11 = Kidney & Urinary Tract
- 12 = Male Reproductive System
- 13 = Female Reproductive System
- 14 = Pregnancy, Childbirth & the Puerperium
- 15 = Newborn & Other Neonates (Perinatal Period)
- 16 = Blood and Blood-Forming Disorders
- 17 = Myeloproliferative DDs (Diff Neoplasms)
- 18 = Infectious and Parasitic DDs
- 19 = Mental Diseases and Disorders
- 20 = Alcohol/Drug Use or Induced Mental Disorders
- 21 = Injuries, Poisoning and Toxic Effect of Drugs
- 22 = Burns
- 23 = Factors Influencing Health Status
- 24 = Multiple Significant Trauma
- 25 = Human Immunodeficiency Virus Infection

\*Patients having heart, liver, lung, simultaneous pancreas/kidney, pancreas, or bone marrow transplants, or tracheostomies, traditionally categorized as PRE MDC (0), are assigned by the DRG Grouper into the following MS-DRGs independent of the MDC of the principal diagnosis: 001-013, 984-989. MS-DRGs (981-983,998,999) associated with all MDCs are assigned independent of the MDC of the principal diagnosis if the diagnosis is valid. Otherwise, this is the traditional Health Care Financing Administration (HCFA) MDC.



# APPENDIX A

## CASE-MIX INDEX

## CASE-MIX INDEX

The case-mix indices were derived as follows:

1. Calculate relative weight for each APR-DRG i:

$$W_i = \frac{C_i}{C_s}$$

where

i = APR-DRG i

s = State level

$W_i$  = Relative weight for APR-DRG i

$C_i$  = Average charge for APR-DRG i

$C_s$  = Average charge for all patients

2. Calculate case-mix index for hospital j:

$$I_j = \frac{\sum_{i=1}^{1315} W_i N_{ij}}{N_j}$$

where:

j = Hospital j

$I_j$  = Case-mix index for hospital j

$N_{ij}$  = Number of discharges for APR-DRG i and hospital j

$N_j$  = Total discharges for hospital j

In the calculation of the case-mix index, the following were excluded: outliers and discharges from specialty hospitals (psychiatric and substance abuse hospitals, rehabilitation hospitals, and surgical centers) as well as the VA hospital. That is, the case-mix index was calculated for all acute care hospitals except the VA hospital.

Case-mix Indices are not among the data elements in the public-use data file but are available upon request.

# APPENDIX B

## APR-DRG RESOURCE

## INTENSITY INDEX

## APR-DRG RESOURCE INTENSITY INDEX

Hospital- and DRG-specific resource intensity indices were calculated as a measure of the overall complexity of a hospital's patient mix at the DRG level. The indices were calculated as follows:

$$W_{ik} = \frac{C_{ik}}{C_i}$$

$$S_{ij} = \frac{\sum_{k=0}^4 N_{ijk} W_{ik}}{N_{ij}}$$

Where

$W_{ik}$  = Charge-weight for severity level  $k$  of consolidated DRG  $i$

$C_{ik}$  = Average charges for consolidated DRG  $i$ , severity level  $k$ , all hospitals

$C_i$  = Average charges for consolidated DRG  $i$ , all hospitals

$S_{ij}$  =Severity index for consolidated DRG  $i$  and hospital  $j$

$N_{ijk}$ =Number of discharges for consolidated DRG  $i$ , hospital  $j$ , and severity level  $k$

$N_{ij}$  = Number of discharges for consolidated DRG  $i$ , hospital  $j$

The severity score,  $k$ , is assigned by the 3M Core Grouping software as part of the APR-DRG categorization. The severity score ranges from 1 (no CC or minor CC), to 4 (extreme CC). A consolidated DRG may be the same as a single DRG or a combination of DRGs. For example, DRG 002 (Craniotomy for trauma age >17) and DRG 003 (Craniotomy for trauma age 0-17) are combined into a consolidated DRG 002 (Craniotomy for trauma). The consolidated DRG, broken down into the four severity levels, comprise the APR-DRG.

A hospital APR-DRG resource intensity index of greater than 1 for a DRG means that the hospital had a greater proportion of patients that required high resource use than patients that required less. Analyses not shown here reveal that total charges are not necessarily positively correlated with severity score within a DRG (e.g., for some DRGs, patients with severity score "2" had higher average charges than those with severity score "3"), nor is the relationship monotone (e.g., for some DRGs level '2' patients have lower average charges than both level '1' and level '3' patients). Therefore, a high index does not necessarily reflect relatively high proportion of "sicker" patients, only relatively high proportion of "high resource-use" patients. In most cases, both interpretations apply.

For DRGs (newborns and neonates) for which no severity score is assigned ( $k=0$ ), the severity index is equal to 1.

APR-DRG Resource Intensity Indices are not among the data elements in the public-use data file but available upon request.

# APPENDIX C

## UTAH

### HOSPITAL PROFILE



## HOSPITAL CHARACTERISTICS: 2007

ID <sup>1</sup>	HOSPITAL NAME	OWN	AFFILIATION	TYPE <sup>3</sup>	COUNTY	CITY	U/R <sup>4</sup>	TEACH <sup>5</sup>	BEDS
111	Allen Memorial Hospital - CAH	G	Rural Hlth Mgmt Corp	Acute	Grand	Moab	R	N	25
118	Alta View Hospital	N	Intermountain Healthcare	Acute	Salt Lake	Sandy	U	N	80
136	American Fork Hospital	N	Intermountain Healthcare	Acute	Utah	American Fork	U	N	84
134	Ashley Valley Medical Center	I	LifePoint Hospitals, Inc.	Acute	Uintah	Vernal	R	N	39
104	Bear River Valley Hospital	N	Intermountain Healthcare	Acute	Box Elder	Tremonton	R	N	14
101	Beaver Valley Hospital	G	Freestanding	Acute	Beaver	Beaver	R	N	49
201	Benchmark Behavioral Hlth Systems	I	Ramsay Hlth Care	SP/Psych	Davis	Woods Cross	U	N	77
207	Benchmark South Regional Hosp (closed) <sup>6</sup>	I	Ramsay Hlth Care	SP/Psych	Salt Lake	Midvale	U	N	80
103	Brigham City Community Hospital	I	MountainStar Hlthcare	Acute	Box Elder	Brigham City	R	N	49
145	Cache Valley Specialty Hospital	I	National Surg Hospital	SP/Surg	Cache	North Logan	R	N	22
106	Castleview Hospital	I	LifePoint Hospitals, Inc.	Acute	Carbon	Price	R	N	84
113	Central Valley Medical Center - CAH	N	Rural Hlth Mgmt Corp	Acute	Juab	Nephi	R	N	25
202	Charter Summit Hospital (closed) <sup>6</sup>	I	Charter	SP/Psych	Salt Lake	Salt Lake City	U	N	80
204	Copper Hills Youth Center (Rivendale) <sup>6</sup>	I	Child. Comp. Serv.	SP/Psych	Salt Lake	West Jordan	U	N	94
119	Cottonwood Hospital (closed) <sup>6</sup>	N	Intermountain Healthcare	Acute	Salt Lake	Murray	U	N	213
108	Davis Hospital and Medical Center	I	Iasis Health Care	Acute	Davis	Layton	U	N	136
116	Delta Community Medical Center - CAH	N	Intermountain Healthcare	Acute	Millard	Delta	R	N	20
140	Dixie Regional Medical Center	N	Intermountain Healthcare	Acute	Washington	St. George	R	N	164
115	Fillmore Community Med Ctr – CAH	N	Intermountain Healthcare	Acute	Millard	Fillmore	R	N	20

ID <sup>1</sup>	HOSPITAL NAME	OWN	AFFILIATION	TYPE <sup>3</sup>	COUNTY	City	U/R <sup>4</sup>	TEACH <sup>5</sup>	BEDS
110	Garfield Memorial Hospital	N	Intermountain Healthcare	Acute	Garfield	Panguitch	R	N	41
129	Gunnison Valley Hospital - CAH	G	Rural Hlth Mgmt Corp	Acute	Sanpete	Gunnison	R	N	25
306	Healthsouth Rehab. Hospital of Utah <sup>7</sup>	I	HealthSouth	SP/Rehab	Salt Lake	Sandy	U	Y	63
139	Heber Valley Medical Center <sup>6</sup> - CAH	N	Intermountain Healthcare	Acute	Wasatch	Heber	R	N	19
302	Highland Ridge Hospital	I	Am Intl Hlth Sys	SP/Psych	Salt Lake	Salt Lake City	U	N	41
304	Infinia Medical Center (closed) <sup>6</sup>	I	Infinia Hlth	SP/Surg	Salt Lake	Salt Lake City	U	Y	12
146	Intermountain Medical Center	N	Intermountain	Acute	Salt Lake	Murray	U	Y	440
117	Jordan Valley Hospital	I	Iasis Health Care	Acute	Salt Lake	West Jordan	U	N	92
114	Kane County Hospital	G	Freestanding	Acute	Kane	Kanab	R	N	38
107	Lakeview Hospital	I	MountainStar Hlthcare	Acute	Davis	Bountiful	U	N	128
121	LDS Hospital	N	Intermountain Healthcare	Acute	Salt Lake	Salt Lake City	U	Y	520
105	Logan Regional Hospital	N	Intermountain Healthcare	Acute	Cache	Logan	R	N	147
141	McKay-Dee Hospital Center	N	Intermountain Healthcare	Acute	Weber	Ogden	U	Y	277
102	Milford Valley Memorial Hospital – CAH <sup>7</sup>	G	Rural Hlth Mgmt Corp	Acute	Beaver	Milford	R	N	25
127	Monument Valley Adventist Hosp (closed) <sup>6</sup>	N	Seventh Day Adventists	Acute	San Juan	Monument	R	N	20
137	Mountain View Hospital	I	MountainStar Hlthcare	Acute	Utah	Payson	U	N	114
133	Mountain West Medical Center <sup>6</sup>	G	Comm. Health Syst.	Acute	Tooele	Tooele	R	N	35
142	Ogden Regional Medical Center	I	MountainStar Hlthcare	Acute	Weber	Ogden	U	N	223
135	Orem Community Hospital	N	Intermountain Healthcare	Acute	Utah	Orem	U	N	20
126	Pioneer Valley Hospital	I	Iasis Health Care	Acute	Salt Lake	West Valley	U	Y	139
122	Primary Children's Medical Center	N	Intermountain Healthcare	Acute	Salt Lake	Salt Lake City	U	N	235
308	Promise Specialty Hospital of Salt Lake	I	Camelot Health Care	SP/LTCare	Salt Lake	West Valley City	U	N	32
143	Rocky Mountain Medical Center (closed) <sup>6</sup>	I	Iasis Health Care	Acute	Salt Lake	Salt Lake City	U	N	125

ID <sup>1</sup>	HOSPITAL NAME	OWN	AFFILIATION	TYPE <sup>3</sup>	COUNTY	CITY	U/R <sup>4</sup>	TEACH <sup>5</sup>	BEDS
120	Salt Lake Regional Medical Center	I	Iasis Health Care	Acute	Salt Lake	Salt Lake City	U	Y	168
128	San Juan Hospital – CAH	G	Managed	Acute	San Juan	Monticello	R	N	25
130	Sanpete Valley Hospital – CAH	N	Intermountain Healthcare	Acute	Sanpete	Mt. Pleasant	R	N	18
132	Sevier Valley Medical Center	N	Intermountain Healthcare	Acute	Sevier	Richfield	R	N	42
203	Silverado Senior Living <sup>6</sup>	I	Silverado	SP/Psych	Salt Lake	Salt Lake City	U	N	136
301	South Davis Community Hospital <sup>7</sup>	G	Freestanding	SP/LTCare	Davis	Bountiful	U	N	39
124	St. Mark's Hospital	I	MountainStar Hlthcare	Acute	Salt Lake	Salt Lake City	U	Y	294
307	The Orthopedic Specialty Hospital (TOSH)	I	Freestanding	SP/Surg	Salt Lake	Salt Lake City	U	N	14
144	Timpanogos Regional Hospital	I	MountainStar Hlthcare	Acute	Utah	Orem	U	N	64
109	Uintah Basin Medical Center	G	Freestanding	Acute	Duchesne	Roosevelt	R	N	42
125	UHC/University of Utah Hospital	G	University HealthCare	Acute	Salt Lake	Salt Lake	U	Y	457
310	UHC/Univ. of UT Huntsman Cancer Hosp	G	University HealthCare	SP/Canc	Salt Lake	Salt Lake	U	Y	See above
309	UHC/Univ. of UT Orthopaedic Ctr	G	University HealthCare	SP/Surg	Salt Lake	Salt Lake	U	Y	See above
206	University of Utah Neuropsychiatric Institute	G	University HealthCare	Acute	Salt Lake	Salt Lake	U	Y	90
209	Utah State Hospital (now exempt)	G	Freestanding	SP/Psych	Utah	Provo	U	N	384
138	Utah Valley Regional Medical Center	N	Intermountain Healthcare	Acute	Utah	Provo	U	N	395
112	Valley View Medical Center	N	Intermountain Healthcare	Acute	Iron	Cedar City	R	N	46
801	Veterans Administration Medical Center	G	Freestanding	Acute	Salt Lake	Salt Lake City	U	N	121
205	Wasatch Canyons Hospital (closed) <sup>6</sup>	N	Intermountain Healthcare	SP/Psych	Salt Lake	Sale Lake City	U	N	46

CAH = Critical Access Hospital

<sup>1</sup>Hospital identification number (unique identifier in data file—see page 10 for hospital list in numerical order).

<sup>2</sup>Owner: G=Government, I=Investor-Owned, N=Not for Profit.

<sup>3</sup>Hospital Type: Acute Care (includes CAH), Specialty/Surgical, Specialty/Psychiatric, Specialty/Rehabilitation, Specialty Long-Term Care

<sup>4</sup>Urban or Rural hospital location.

<sup>5</sup>Teaching hospital (yes/no).

<sup>6</sup>Hospitals which have closed but submitted data in previous years:  
Benchmark South Regional Hospital (closed – data through 4<sup>th</sup> quarter 1998)

Bonneville Health & Rehabilitation Center (closed – data through 3<sup>rd</sup> quarter 1999)

Reopened as Infinia Medical Center (closed -- data through 2<sup>nd</sup> quarter 2002)

Charter Summit Hospital (closed – data through 3<sup>rd</sup> quarter 1993)

Copper Hills Youth Center (currently not licensed as a hospital–data through 4<sup>th</sup> quarter 2001)

Cottonwood Hospital (closed – data through 3<sup>rd</sup> quarter 2007)

Monument Valley Adventist Hospital (closed – data through 4<sup>th</sup> quarter 1995)

Olympus View Hospital (currently Silverado Senior Living) (closed – data through 2<sup>nd</sup> quarter 1999)

PHC Regional Hospital (closed – data through 2<sup>nd</sup> quarter 1997)

Reopened as Rocky Mountain Hospital (closed–data from 2<sup>nd</sup> quarter 2000 to 2<sup>nd</sup> quarter 2001)

Tooele Valley Regional Medical Center (currently Mountain West Medical Center) (closed – data through 2001)

Utah State Hospital (now exempt from reporting – data through 4<sup>th</sup> quarter 1995)

Wasatch Canyons Hospital (closed – data through 3<sup>rd</sup> quarter 1995)

Wasatch County Hospital (currently Heber Valley Medical Center) (closed – data through 3<sup>rd</sup> quarter 1999)

<sup>7</sup>Hospitals temporarily not included in 2007 due to processing issues:

Milford Valley Memorial Hospital - CAH

South Davis Community Hospital

**Note:** The hospitals with addresses, phone numbers, and number of beds in the above list can be obtained as a “cut and paste” document from the website: [“http://health.utah.gov/hda/usersupport.php”](http://health.utah.gov/hda/usersupport.php) and click on “List of data providers”

### Further Hospital Information

Another source for a list of Utah hospitals is the Utah Department of Health website, [“http://health.utah.gov/hflcra/facinfo.php”](http://health.utah.gov/hflcra/facinfo.php). You can access an alphabetical list of hospitals by clicking the “Alphabetical Listing” link and choosing what type of facility you are looking for. You can also find hospitals listed by county by clicking the “Listing by County” link.